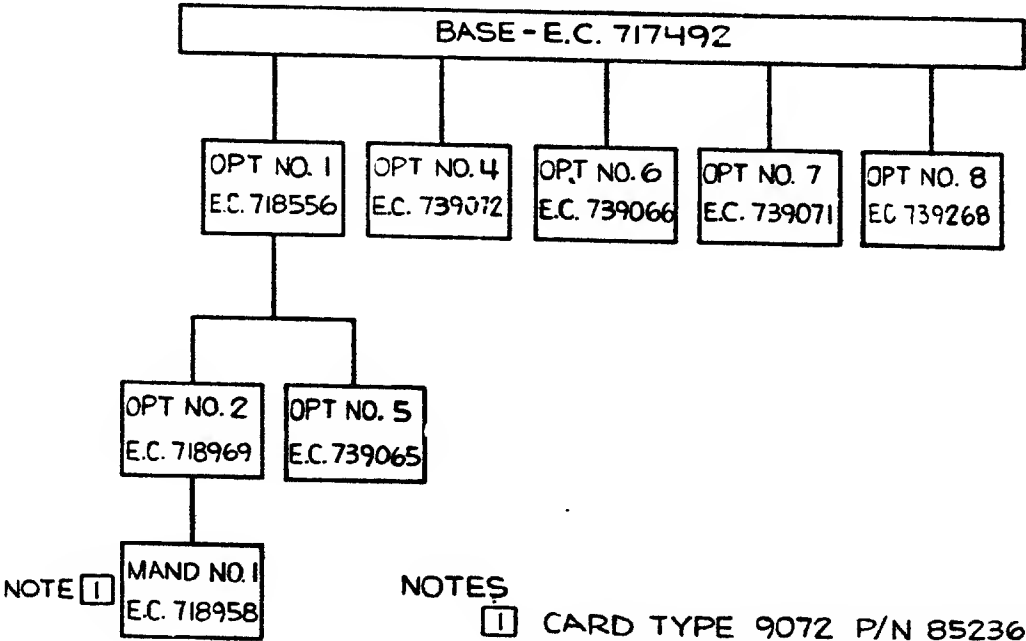


CARD PART NUMBERS														PRODUCTION PRACTICE
CARD DESCRIPTION	WHERE USED	CARD TYPE	LOGIC PAGE GROUP	CARD LOC	BASE E.C. 717492	OPT #1 E.C. 718556	MAND NO. 1 (CARD READER FEATURE ONLY) E.C. 718958	OPT NO. 2 E.C. 718969	OPT NO. 4 E.C. 739072	OPT NO. 5 E.C. 739065	OPT NO. 6 E.C. 739066	OPT NO. 7 E.C. 739071	OPT NO. 8 E.C. 739268	
KEYBOARD CONTROL #2	KEYBOARD ADAPTER	9072	KMIXX	A2 *	8522128	8522001	NOTE 1	8523616						8527296
KEYBOARD CONTROL #1	KEYBOARD ADAPTER	9069	KMOXX	B2 *	8521178	8522852								8524282
I/O GATING & PARITY	ALL MACHINES	9066	MGOXX	C2	8521992					8524282				8523648
480 BUFFER	MOD 1 ONLY	9057	MBXXX	D2	8521862							8523648		8521862
960 BUFFER	MOD 2 ONLY	9065			8521863									8521863
SERDES	ALL MACHINES	L514	KAIXX	E2 *	8522013									8527302
480 EXTENDED CHAR	MOD 1 EXT CHAR	2231	MCXXX	E4	8521437									8524314
1920 EXTENDED CHAR	MOD 2 EXT CHAR	2227			8521436								8524314	8524301
960 BUFFER	MOD 2 ONLY	9065	MBXXX	F2	8521863								8524301	8521863
I/O CONTROL	ALL MACHINES	9068	KAOXX	G2 *	8522109	8522151			8523664					8523664
CLOCK & STEP	ALL MACHINES	9071	KFOXX	H2 *	8521981	8522825					8523649			8524604
DISPLAY CONTROL	ALL MACHINES	9067	KFIXX	J2 *	8522014	8522836								8522836
CHARACTER GEN	SEE PAGE ZZ101		MCXXX	K2 *										*
SELECTOR PEN	EXTENDED BOARD	9088	KTOXX	M2	8521505									8521505
ID CARD READER	EXTENDED BOARD	2229	KROXX	N2	8522108		8523257							8523257

* REFER TO "ZZ" PAGES FOR INTERCHANGEABLE CARDS FOR FEATURES AND RPQ'S

E.C. SEQUENCE STRUCTURE



NOTE 1

NOTES

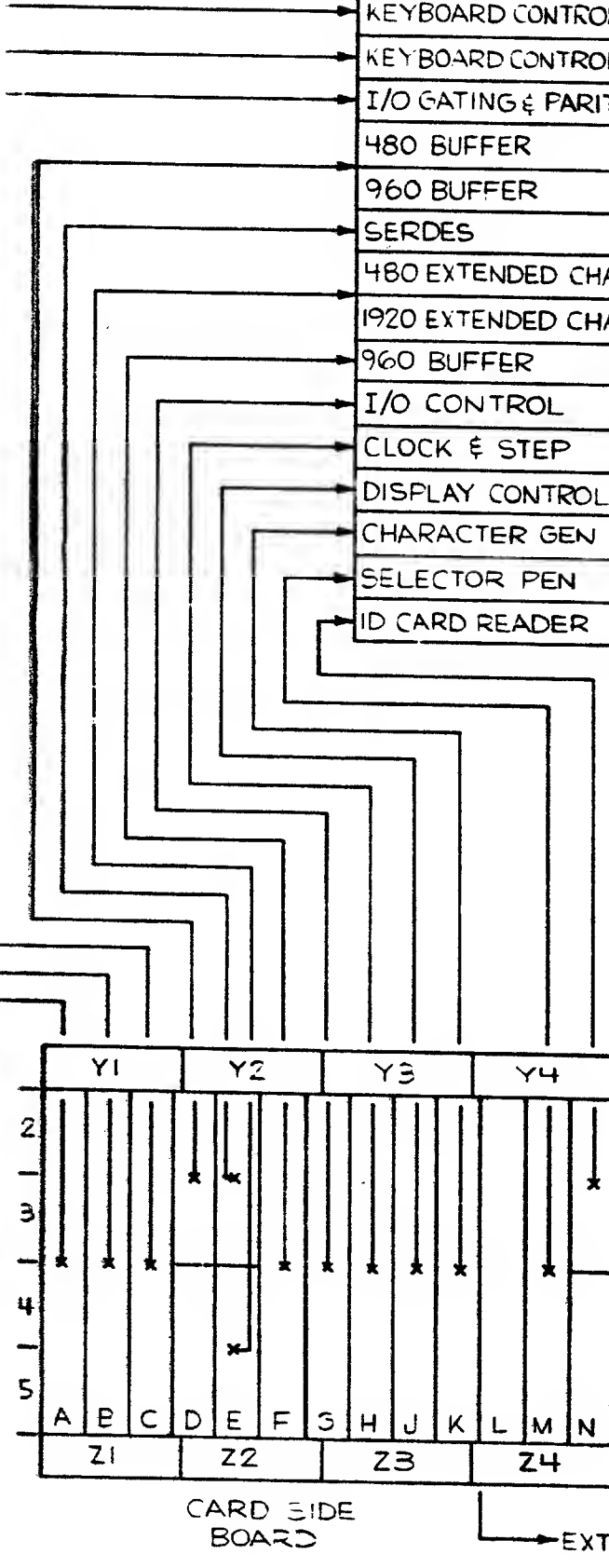
1 CARD TYPE 9072 P/N 8523623(FOR W.T. ONLY) OR EC 718969 INSTALLED

EXPLANATION OF LOGIC USE

THIS SYSTEMS DIAGRAMS VOLUME CONTAINS ALL THE LOGIC REQUIRED FOR ANY FEATURE COMBINATION OF 3277 DISPLAYS. THE VOLUME IS BROKEN DOWN INTO THE LOGIC GROUPS SHOWN ABOVE. THE WHITE PAGES ARE BASE MOD 2. IF A CARD READER OR SELECTOR PEN IS IN THE MACHINE, THE BLUE KR & KT PAGES SHOULD BE CONSIDERED PART OF THE LOGIC. IF THE MACHINE IS A MOD 1, THE YELLOW MB PAGES SHOULD BE CONSIDERED A REPLACEMENT FOR THE WHITE MB PAGES. IF THE MACHINE HAS AN EXTENDED CHARACTER SET, THE GREEN MC PAGES SHOULD BE CONSIDERED A REPLACEMENT FOR THE WHITE MC PAGES.

BOARD PART NO.	BOARD DESCRIPTION
2625204	BASE W/O FEAT EXT
2625206	BASE WITH FEAT EXT
2625208	EXT CHAR SET W/O FEAT
2625210	EXT CHAR SET WITH FEAT

SEE EC HISTORY		DRAWING TITLE	
JUL74	740382	3277 SOCKET LIST	
JAN75	741246	MACH 3277	
MAR75	741258	PART NO 1832870	
D		CLASSIFICATION	IBM CORP



COMPONENT & CONNECTOR LOCATIONS

TITLE	MOD 1	MOD 2
ANALOG CARD	01B/A2	01C/A1
AUDIBLE ALARM	01C/DS1	01C/DS1
LVPS	01B/PS1	01D/PS1
HVPS	01B/PS2	01C/PS1
-12V REG CARD	01B/VRI	01D/VRI
VOLTAGE DIST CARD	01C/Z1	01C/TBI
SECURITY KEY LOCK	01C/S1	01C/S1
CONTROL UNIT I/O CONN	01S/J4	01S/J4
KEYBOARD CONN	01S/J1	01S/J1
CARD READER CONN	01S/J2	01S/J2

ANALOG CARD

SIGNAL	BD CONN	I/O CONN		
	01A-A1(Z3)	MOD 1	MOD 2	PIN
+VIDEO DATA OUT	H6C04	01B/A2	01C/A1	P4-12
+HI INTENSITY	J6E02			P4-15
+HORIZ SYNC	J6D04			P4-14
-BUMP DISPLAY	H6E04			P4-8
+VERTICAL RETRACE	J6B04			P4-10
-SOUND ALARM	TO ANAL CD TO ALARM K6A04			P4-16
+SWITCHED 5V	IN OUT H6B02			P4-11
-POR	K6B02			P4-21
-12V	J6C04			P3-5
+34V	K6B04			P3-6
+8V	J6A04			P3-4
+RELAY COIL	J6E04	01C/ZPI	01C/TBI	3
-SECURITY KEY	H6A02	01C/S1		---
-SECURITY KEY GND	J6B02 H6C02			---

KEYBOARD
WITH & WITHOUT CARD READER

SIGNAL	BD CONN - 01A - A1		I/O CONN	KYBD PIN - 1.B1	
	KYBD (Z1)	CD RDR (Z4)	01S/J1	MICRO	CALICO
+KYBD BIT 0	A6D04	L6B04	1	D	B05
+KYBD BIT 1	A6E04	L6C04	2	E	B06
+KYBD BIT 2	B6A04	L6D04	3	F	D13
+KYBD BIT 3	B6B04	L6E04	4	H	B08
+KYBD BIT 4	B6C04	M6A04	5	J	B09
+KYBD BIT 5	B6D04	M6B04	18	K	B10
+KYBD BIT 6	B6E04	M6C04	6	L	B13
+KYBD BIT 7	C6A04	M6D04	7	M	B12
+KYBD PARITY BIT	C6B04	M6E04	8	N	B04
+ALPHA SHIFT	A6D02	L6B02	14	T	D05
-KYBD STROBE	C6B02 C6C04	M6E02 N6A04	9	R	B02
+NUMERIC SHIFT	B6B02	L6E02	16	S	D06
-KYBD RESET	C6D04	N6B04	22	C	D12
-POR CALICO KYBD	C6A02	M6D02	19	SPARE	SPARE
+DE UP SHIFT	B6A02	L6D02	15	U	D04
+FF ENABLE	B6C02	M6A02	17	P	D11
+KYBD TUNE	C6E02	---	10	AUD FDBK SIGNAL	
+CHAR RDY DEC	---	N6C02	---	---	D10

POWER DISTRIBUTION

SIGNAL	TERMINAL		I/O CONN	KYBD PIN - KBI	
	MOD 1 01A/TBI	MOD 2 01C/TBI	01S/J1	MICRO	CALICO
+8V	2	23	24	W,V	D03
-12V	4	19	13	Z	D02
DC RTN	6	22	11	X,Y	D08
			12	AUDIBLE FDBK	

COAX

SIGNAL	BD CONN PIN
DATA	01A-A1E2D07
GND	01A-A1E2D08

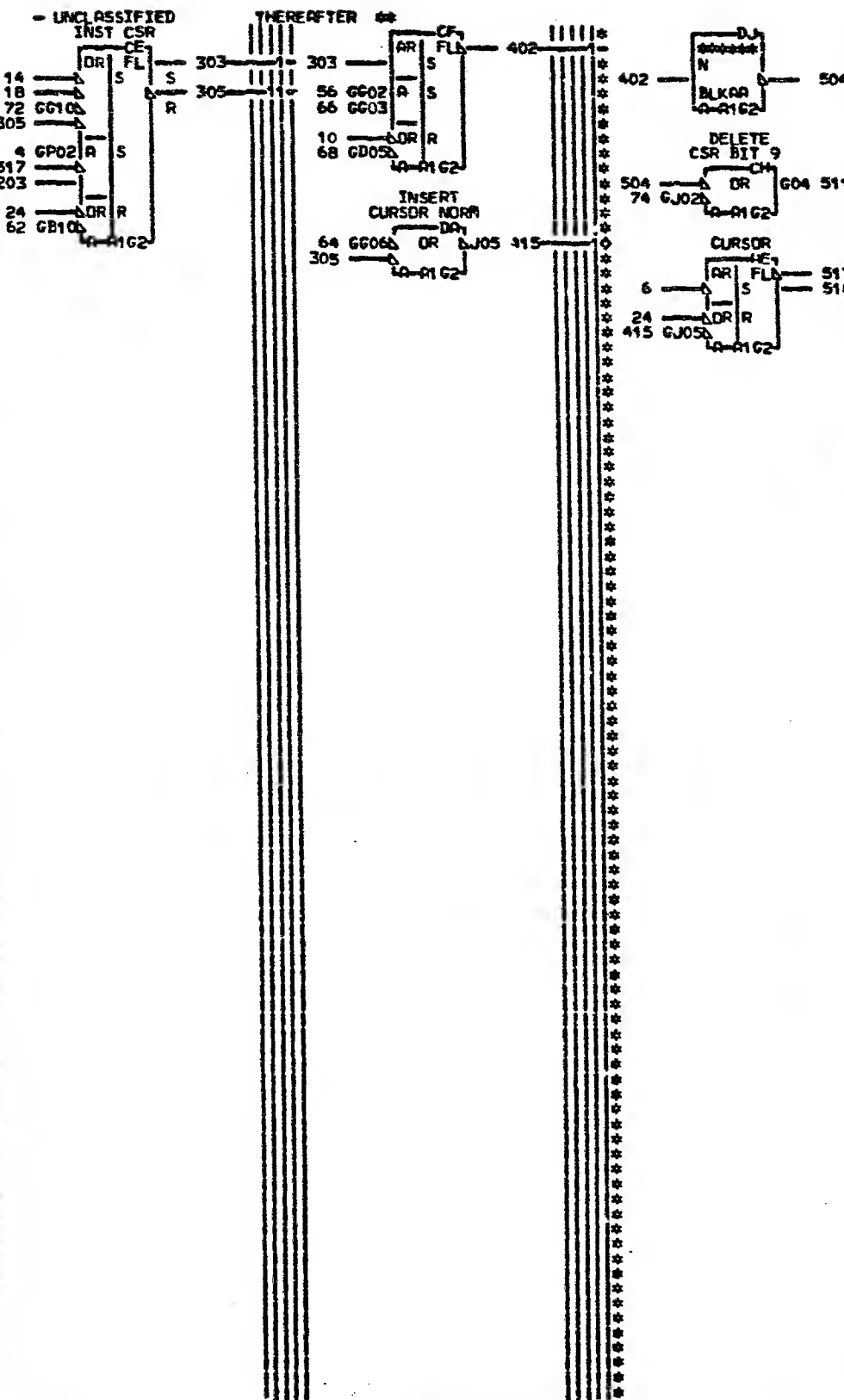
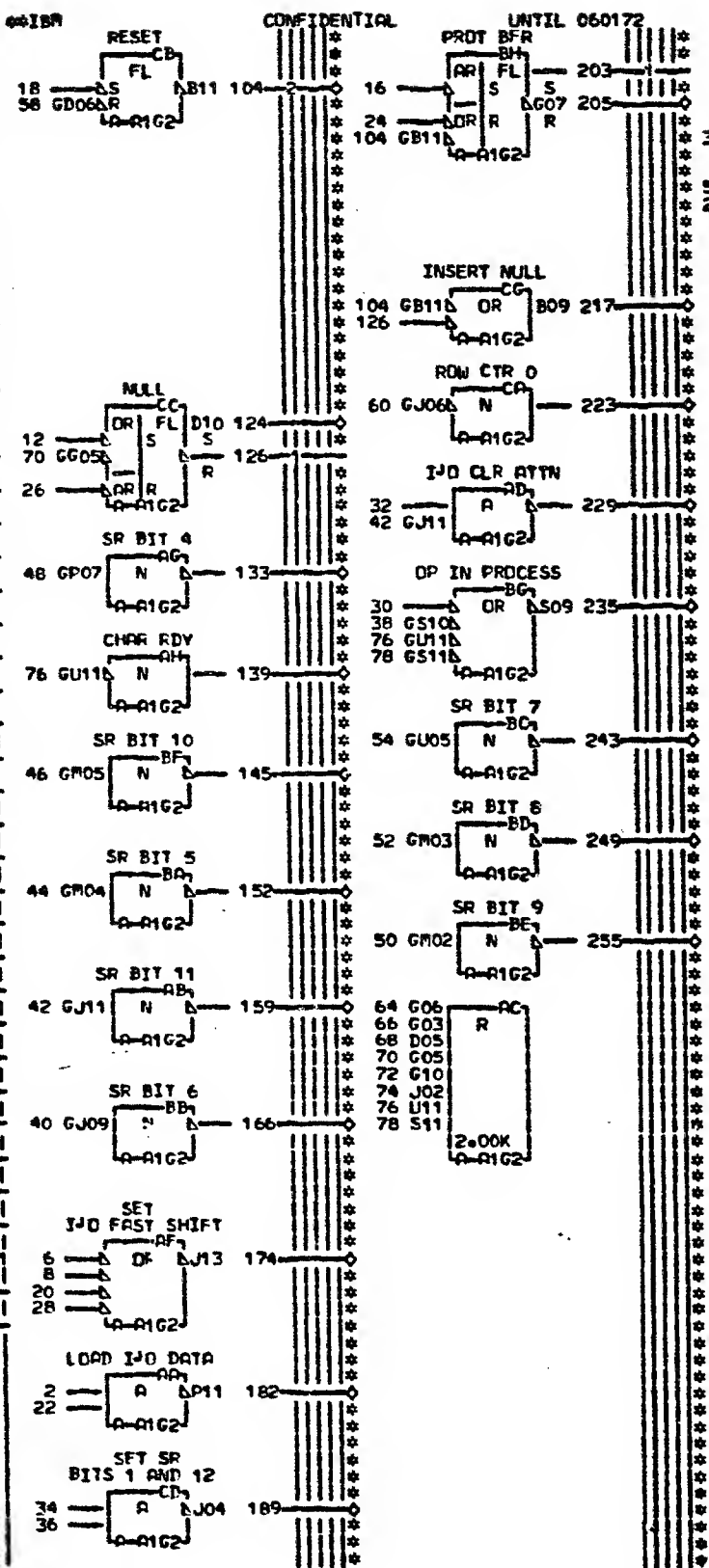
LIGHT PEN CONNECTOR

SIGNAL	BD SIDE 01A-A1	LIGHT PEN SIDE
-LP SW OPEN	M1C13	B05
	N1B11	
-LP SW CLOSED	L1B11	B08
	L1E13	
-LP STRIKE (SIGNAL)	L1B13	B03
+12V LP	L1C13	B02
-6V LP	M1D13	B09
GND	M1B13	B07
	M1A11	

SEE EC HISTORY		DRAWING TITLE	
JUL74	740382	3277-MOD 1/2 CONN/CABLE REF GUIDE	
JAN75	741246	MACH 3277	
MAR75	741258	PART NO 1832870	
D		CLASSIFICATION	IBM CORP

A
A
1
1
5

- LOAD PARITY LATCH KA011FL2- 2
 + INDEX KA021BF4- 4
 - SET CURSOR LTH KA021BG4- 6
 - START READ SYNC KA021CF4- 8
 - SET CLR CSR LTH KA021CJ4- 10
 - SET INSERT NULL KA021EJ4- 12
 - EAU UNPROT SET INSAT CSR KA021EK4- 14
 - SET PROTECTED BUFFER KA021FE4- 16
 - RESET KA031AL4- 18
 - CLR XMIT CHECK KA031DB4- 20
 + WRITE LATCH KA031EB4- 22
 - WRITE LATCH SET KA031ED4- 24
 - DOT CTR 2 KA031FG4- 26
 - SET READ FAST SHIFT KA051EG4- 28
 - DEVICE BUSY KA051DA4- 30
 + CTRL WRD 1 GOOD PAR KA051DM4- 32
 + OUTPUT LATCH KA051GE4- 34
 + READ/POLL LOAD KA051HM4- 36
 - INPUT INHIBIT KA061EM4- 38
 + SR BIT 6 KA121BM2- 40
 + SR BIT 11 KA121CC2- 42
 + SR BIT 5 KA121CH2- 44
 + SR BIT 10 KA121DC2- 46
 + SR BIT 4 KA121DH2- 48
 + SR BIT 9 KA121EC2- 50
 + SR BIT 8 KA121FC2- 52
 + SR BIT 7 KA121GC2- 54
 + BIT 1 KF021CB2- 56
 - END SCREEN INPUT KF151CJ4- 58
 - ROW 0 KF151GE4- 60
 - CLR INSERT CSR LATCH KF161BM4- 62
 - INSERT CSR BIT 9 KM011DF4- 64
 - TAB + SKIP KM061DF4- 66
 - SET CLR CSR LTH KM061FE4- 68
 - SET INSERT NULL LTH KM111AY4- 70
 - SET INSERT CSR LTH KM131AZ4- 72
 - DELETE CSR BIT 9 KM131BL4- 74
 - CHAR RDY LTH KM141EH4- 76
 - L/F BUSY KT051AU4- 78



071 KA071 KA081
 182 - LOAD I/O DATA R0011-DE4
 159 - SR BIT 11 KA041-AF4
 229 - I/O CLR ATTN KA061-BF4
 517 - CURSOR LTH KA051-BH2
 133 - SR BIT 4 KA041-KA051 CB4
 139 + CHAR RDY KA021-CC4
 152 - SR BIT 5 KA041-KA061 CD4
 166 - SR BIT 6 KA041-CE4
 243 - SR BIT 7 KA041-CF4
 249 - SR BIT 8 KA041-CH4
 518 + CURSOR LATCH SET KA021-CJ4
 255 - SR BIT 9 KA041-CX4
 145 - SR BIT 10 KA041-CY4
 174 - SET I/O FAST SHIFT KF051-DN4
 235 - OP IN PROCESS KA141-KA021-KT051 EB4
 205 - PROTECTED BFR KA061-KA131-KA151 EJ4
 223 + ROW CTR 0 KA021-FK4
 104 - RST LTH KA051-KF071-KF131-KF141-KA021
 124 + NULL KM111-AD4
 189 - SET SR BITS 1 AND 12 KM121-BB4
 217 + INSERT NULL KF051-KA011 DB4
 511 + DELETE CSR BIT 9 KA021-DG4
 415 - INSERT CURSOR NORM KA071-KA131-KA161-KA021 EF4

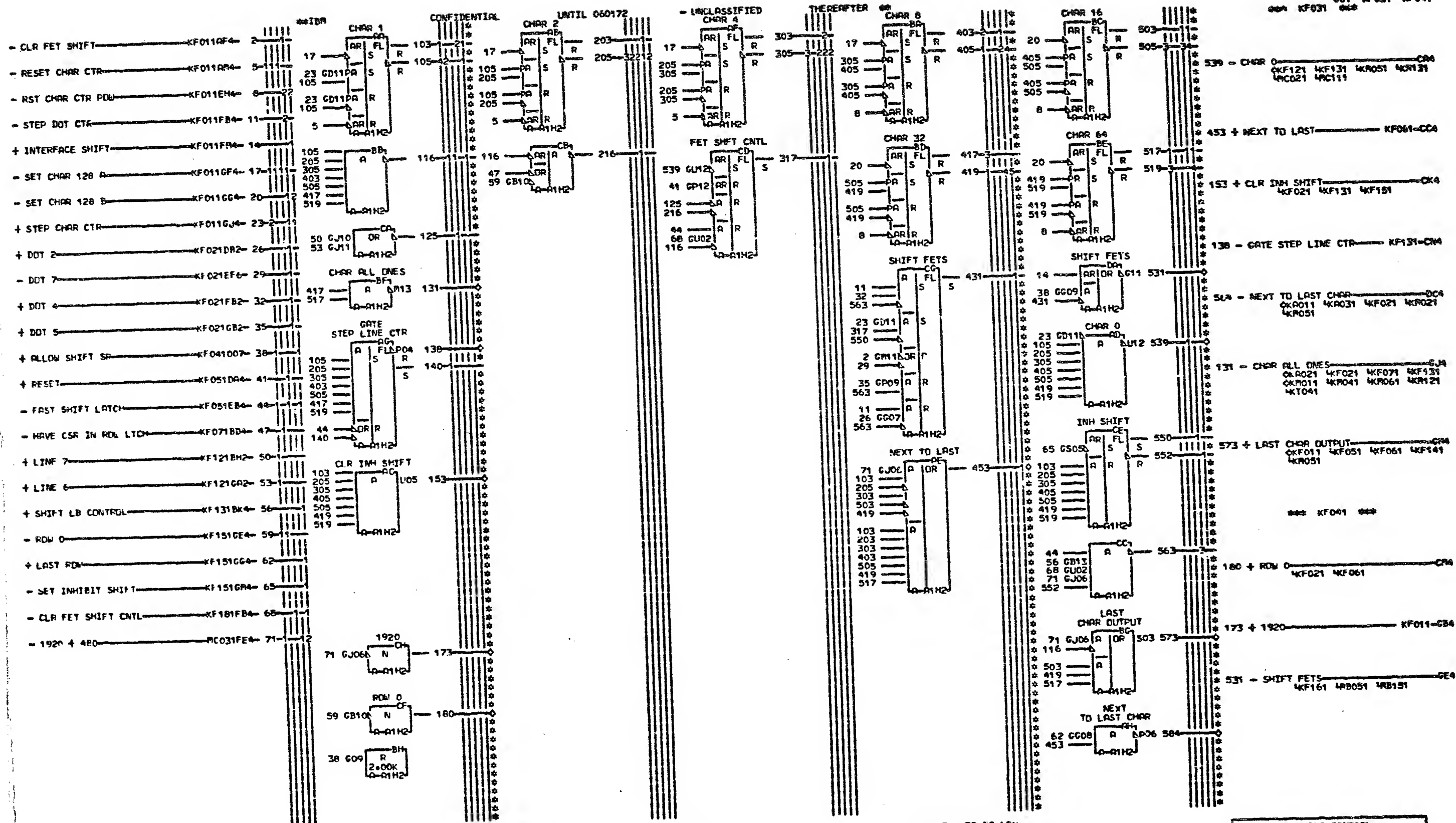
ASIM TO PN 1563736 EC 717492

LOC. TYPE
A-A1G2 9068

PAGE VER EC LEV
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KA081 000 717946

KA071
KA081
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I/O CONTROL			
E.C. HISTORY	B. RACH. 3277		
717473			
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717492	IBM CORP. SDD		KA081
DATE LAST EC	P.No.	1023100	001
08-05-72 717946			

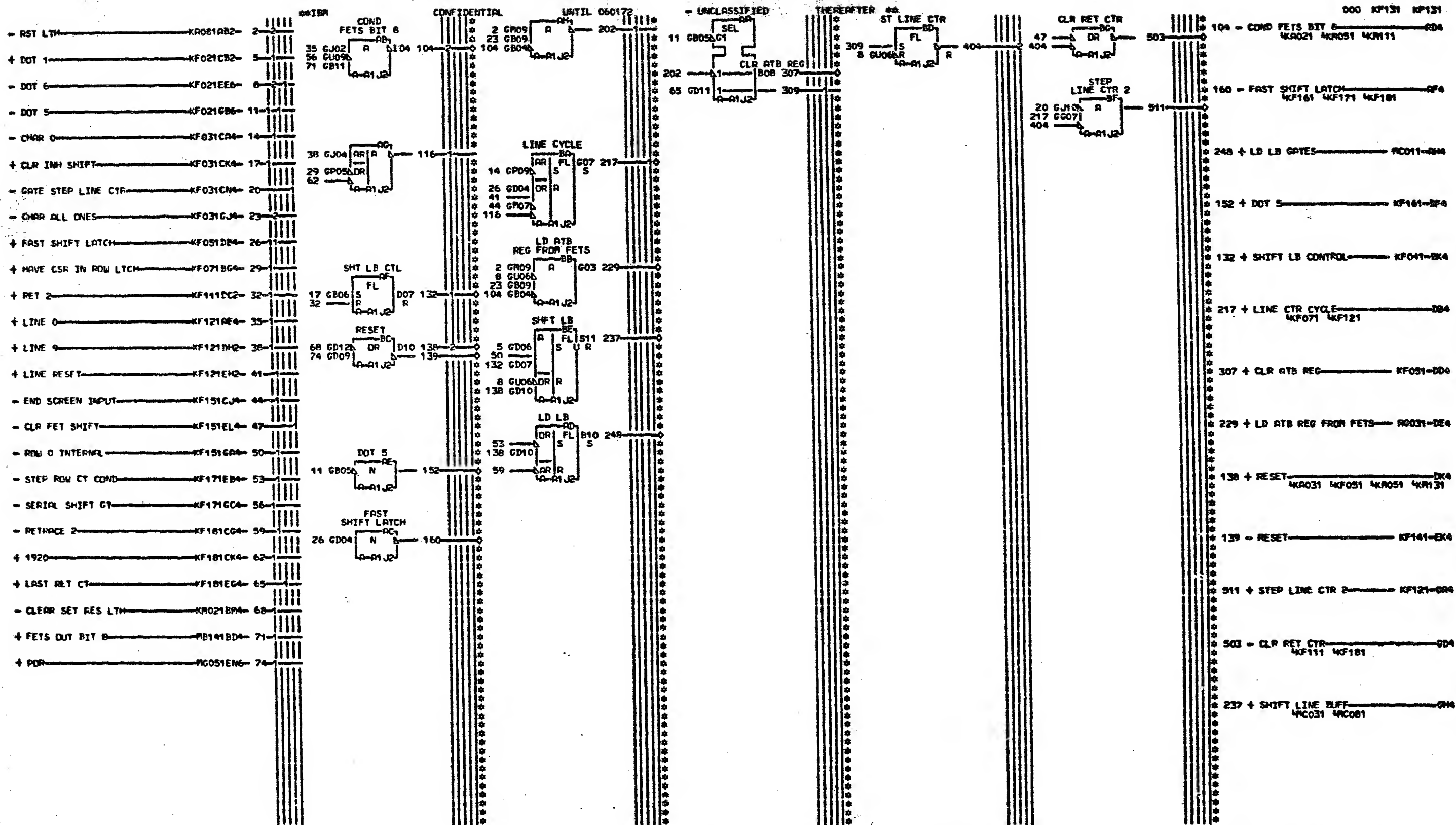


A-SIM TO PN 1563742 FC 717946

LOC. TYPE
 A-1H2 9071

PAGE VEP EC LEV
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 KF041 000 717946

CLOCK AND STEP CONTROL			
E.C. HISTORY		B. RACH. 3277	
717473		FRAME	01 KF031
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717492		P.N.	1823112 001
DATE	LAST EC		
08-05-72	717946		

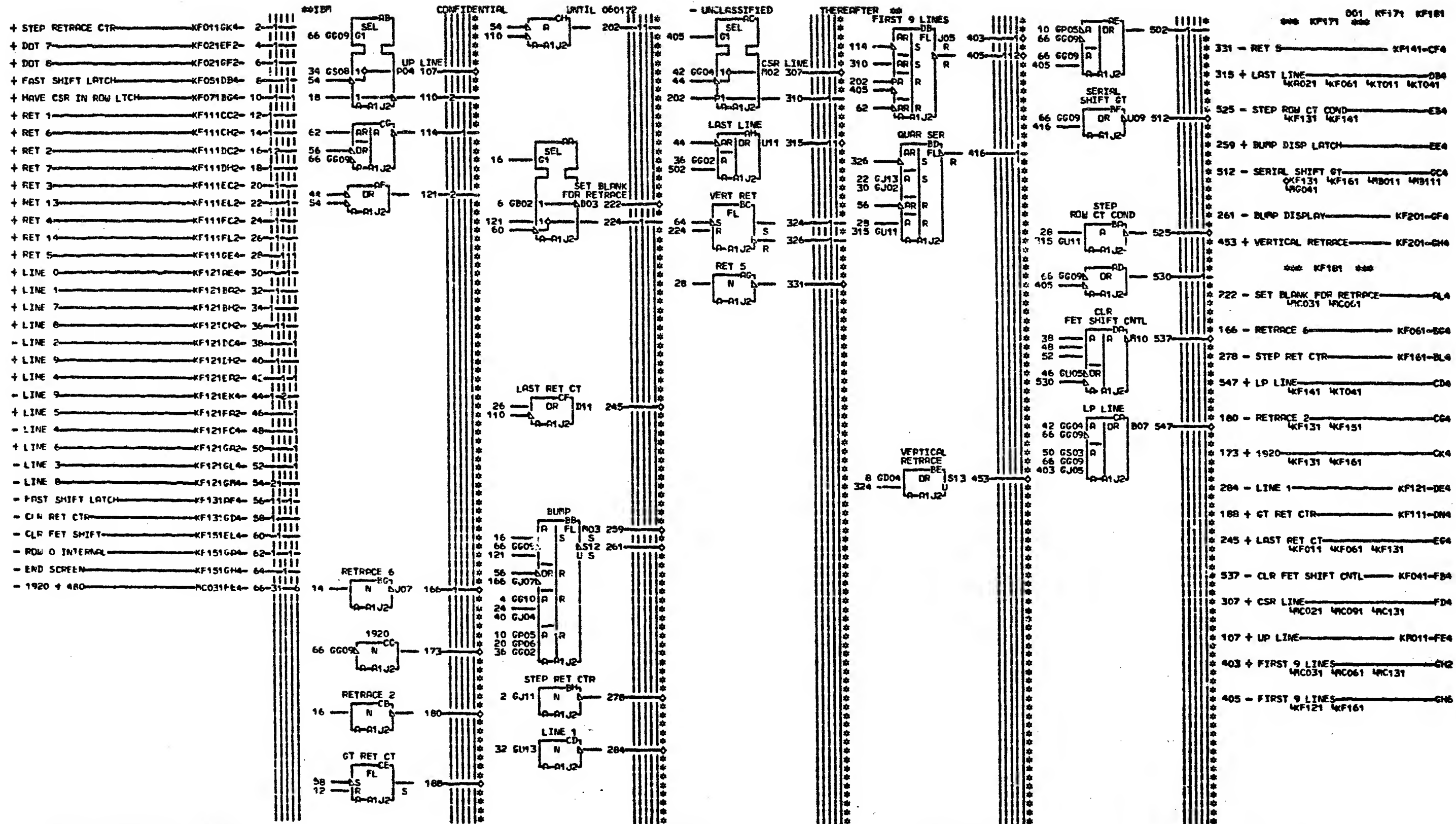


LDC TYPE
A-A1J2 9067

PAGE VER EC LEV
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DISPLAY CONTROL			
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DATE	LAST EC	P-N	1823127
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KF131
KF131
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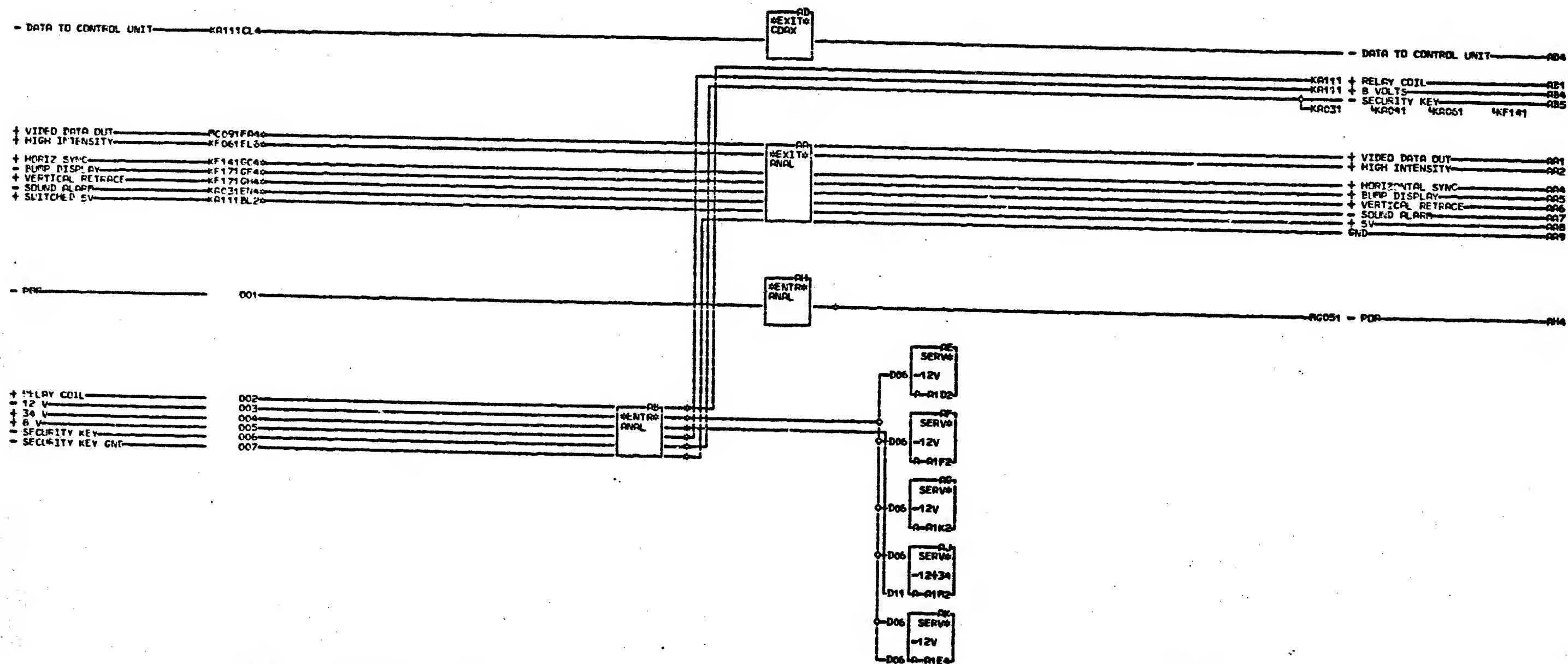
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B-SIM TO PW 1563754 EC 717473

LOC. TYPE
A-A1J2 9067

PAGE VER EC LEV
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KF181 001 717473

DISPLAY CONTROL			
E.C. HISTORY		B. PACH 3277	
717473		FRAME	01
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DATE	LAST EC	P. No.	1623139
08-05-72	717946		001

KF171
KF181
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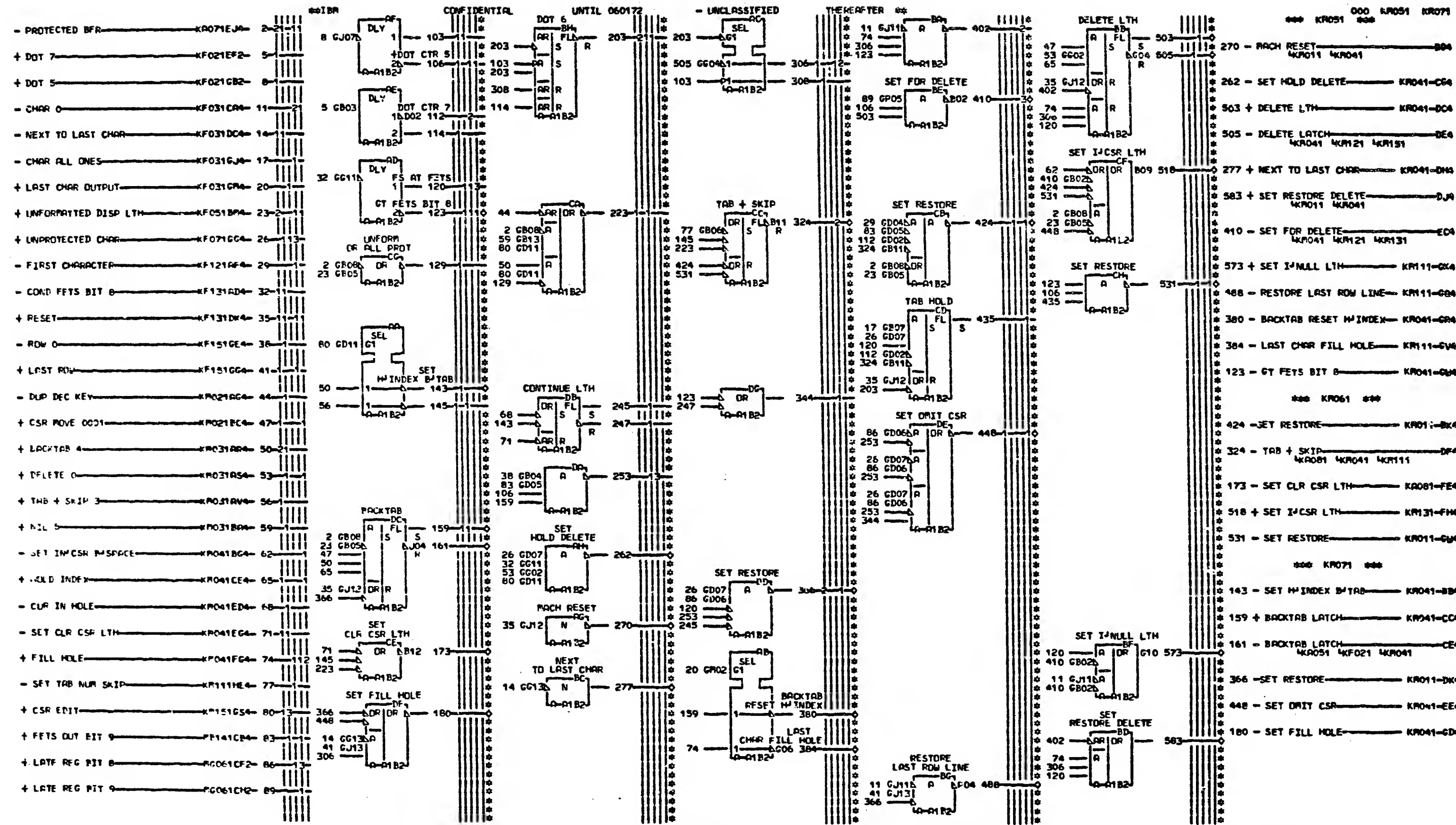


KR031EN4 01A-01H6E04 RB5 A-01H6A02
01A-01K6A04 KF171GH4 RB6 A-01J6B02
KA111FL2 01A-01J6B04 01A-01H6C02
01A-01H6B02 FC091FA4 RM4 A-01K6B02
KF061EL6 01A-01H6C04
01A-01J6E02 RB1 A-01J6E04
KF141GC4 RB2 A-01J6C04
01A-01J6D04 RB3 A-01K6B04
KF171CF4 RB4 A-01J6D04

LDC. TYPE

CONNECTOR PAGE	
—E.C.—HISTORY—	—B. NO.—3277
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DATE	IBM COMP. SD
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LAST EC	
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8-10-68

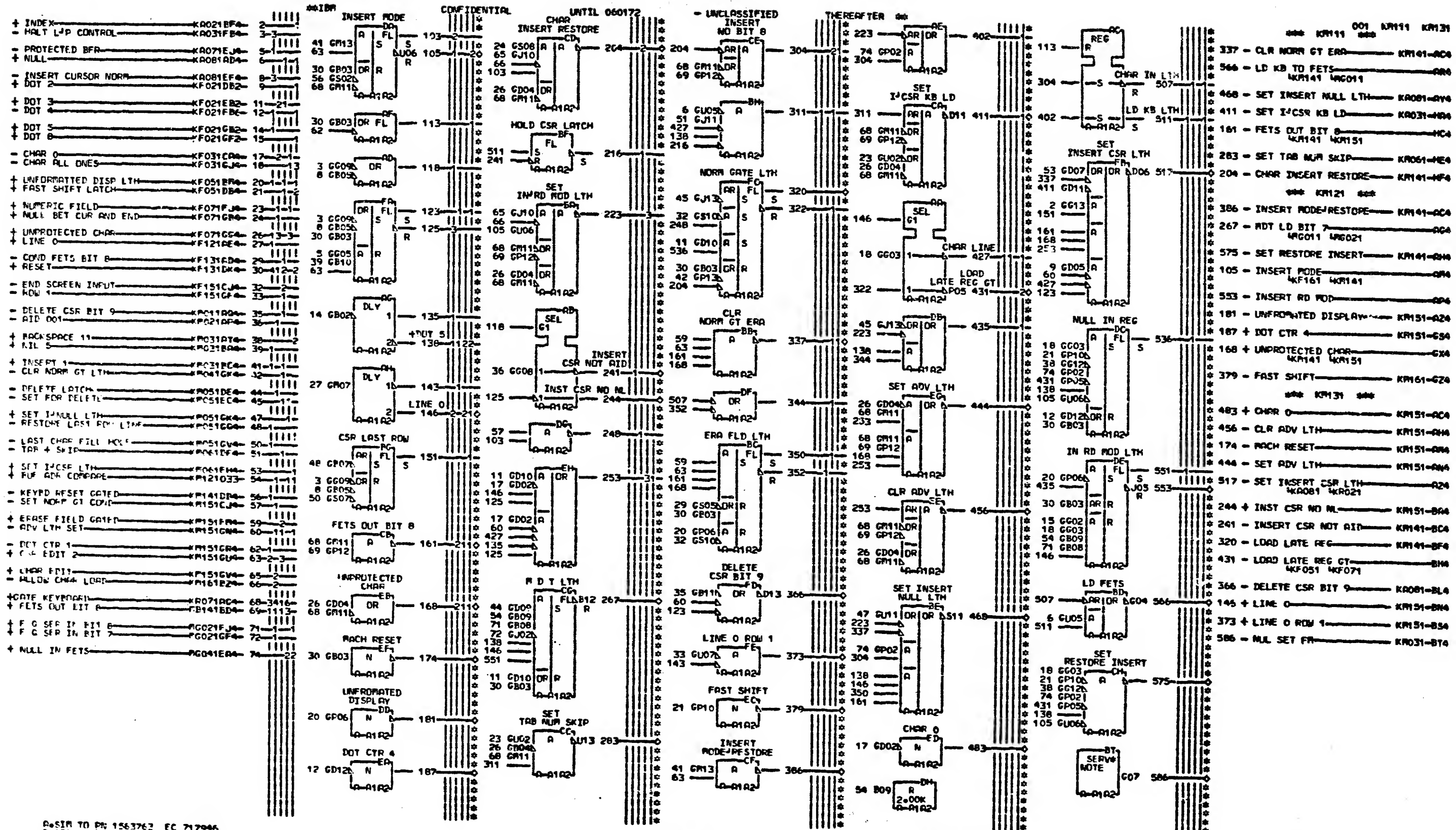


KR051
KR071
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LOC. TYPE
A-A1B2 9069

PAGE VER EC LEV
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KR061 000 717946
KR071 000 717946

KEYBOARD CONTROLS J1			
E-C-HISTORY		B-RACH-3277	
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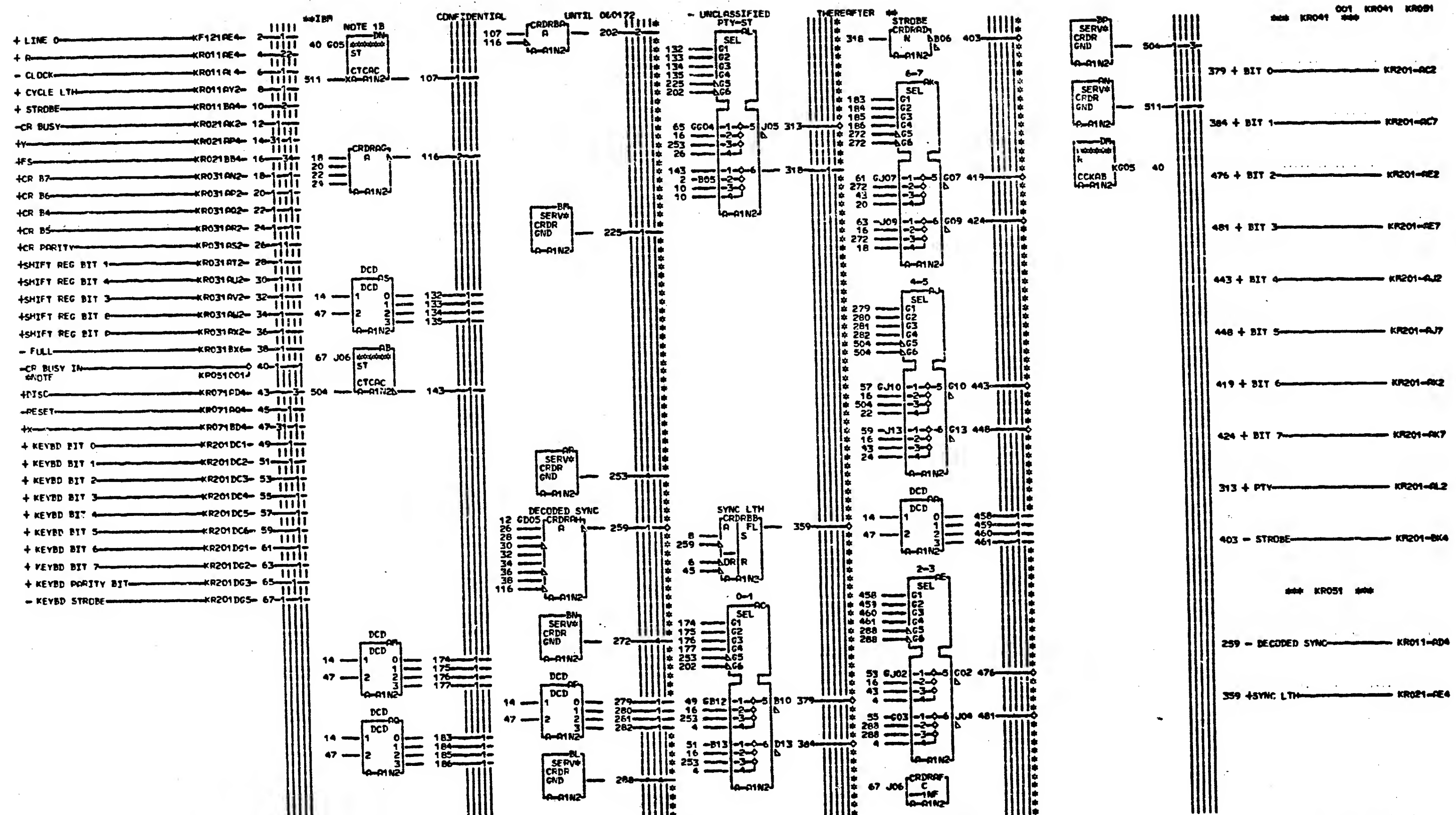
ASIM TO PN 1563762 EC 717946
BSIM TO PN 1563764 EC 717946
CNOTE SEE REFERENCE PAGE 22102
IF RPO AR3553 INSTALLED
SIM TO PN 1563765 EC 717946

KM111
KM131
001

LOC. TYPE
A-A1A2 9072

PAGE VER EC LEV
KM111 001 717946
KM121 001 717946
KM131 001 717946

KEYBOARD CONTROLS J2			
E-C-HISTORY	B-MACH-3277		
717473		FRAME	01 KM111
716959		IBN CORP-KN	KM131
717492			
DATE	LAST EC		
08-05-72	717946	PoNo	1823761 001



B-NOTE SEE REFERENCE PAGE
22101 FOR CARD READER
FEATURE JUMPER

KY 41
NR051
001

LOC. TYPE
A-A1N2 2229

PAGE VER EC LEV
KR041 001 717492
KR051 001 717492

CARD READER	
E.C. HISTORY	FRAME 01 KR041
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716959	P.M. 1823770 001
DATE LAST EC	
06-01-72 717492	

IBR

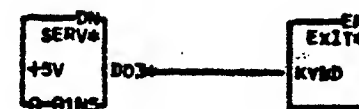
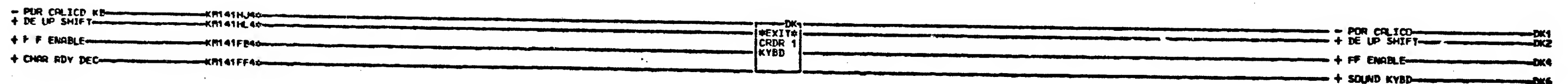
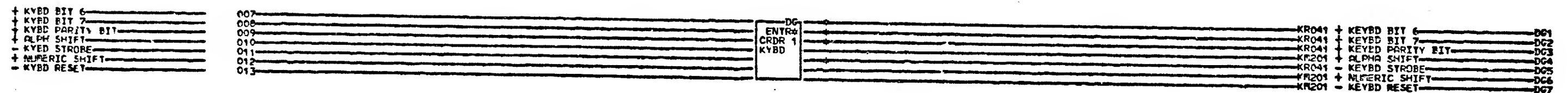
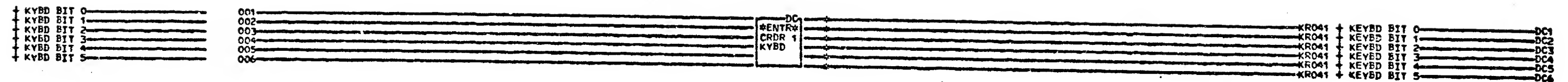
CONFIDENTIAL

UNTIL 060172

UNCLASSIFIED

THEREAFTER

001 KR201



NOTE 1 24 SOCKET FOR KYBD WITH CARD READER

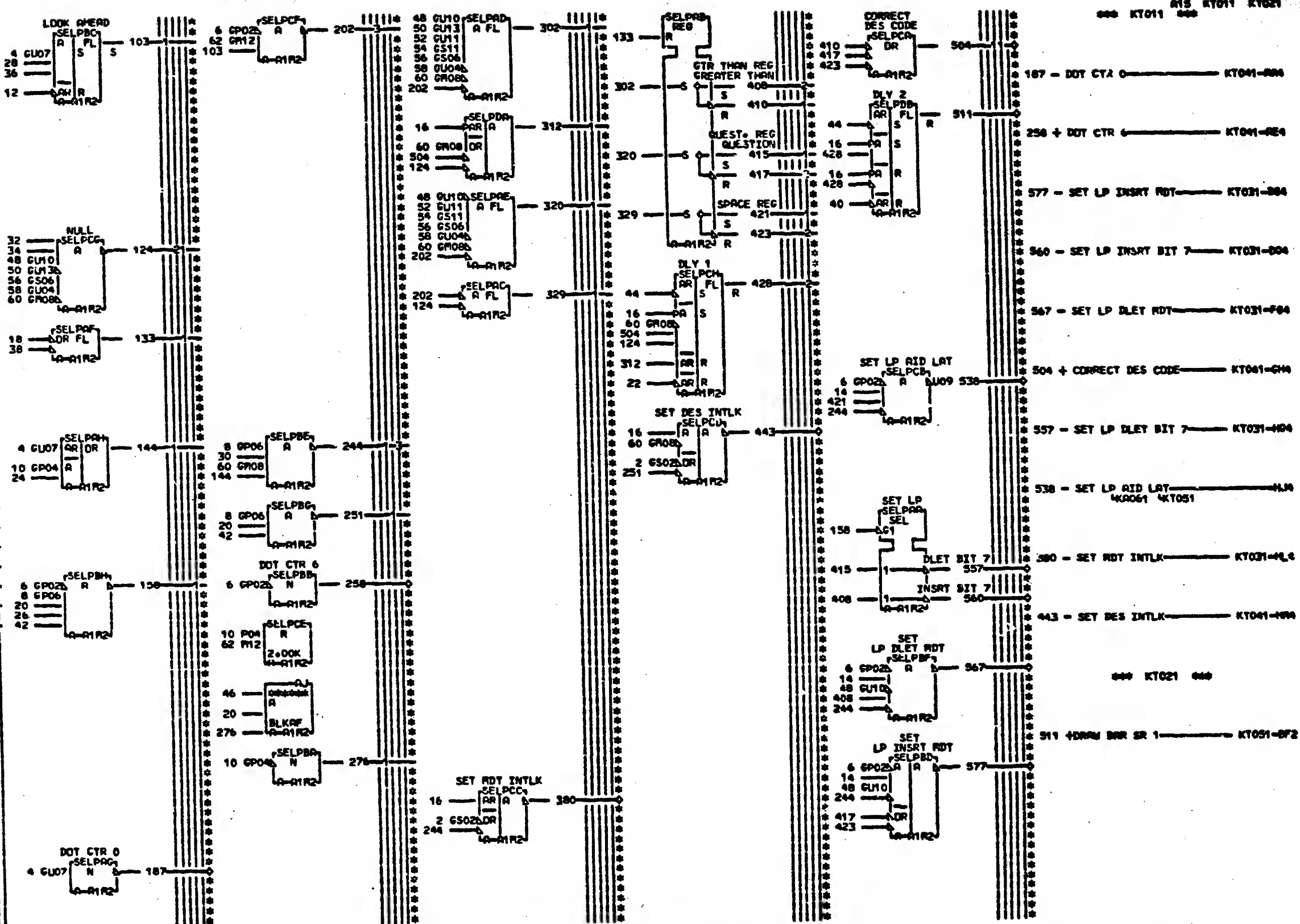
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01A-A1R6A02	DC3	A-21L6D04	DN4 A-A1N6A02
KR141FF4	DC4	A-21L6E04	
01A-A1N6C02	DC5	A-21R6A04	
KR141H4	DC6	A-21R6B04	
01A-A1R6D02	DC1	A-21R6C04	
KR141H4	DC2	A-21R6D04	
01A-A1L6D02	DC3	A-21R6E04	
DC1 A-A1L6B04	DC5	A-21N6A04	

LOC. TYPE

KEYBOARD INTERFACE FOR CR
 E.C.-HISTORY A-MACH.3277
 717473
 DATE LAST EC 02-18-72 716859
 FRAME 01
 IBM CORP. KN
 P.N. 1823772

KR201
 001

- HALT LP CONTROLS - KR031FB4- 2
 + DOT 0 - KF021BB2- 4
 - DOT 6 - KF021EE6- 6
 + LAST LINE - KF171BB4- 8
 - 19SR DR 48 SR CONN - KT011002- 10
 - DOT CTR 8 - KT031AC4- 12
 - RDY INTLK SET - KT031BB4- 14
 + DOT CTR 8 - KT031BC4- 16
 - ADD 1 FS - KT041BP4- 18
 + STRIKE LAT - KT041BR4- 20
 - STRIKE LAT - KT041BS4- 22
 + DES INTLK SET - KT041BT4- 24
 - DES INTLK SET - KT041BU4- 26
 + FS ON LINE 5 - KT041BB4- 28
 - CHAR ALL ONES OR ROW 0 - KT041BW4- 30
 - BIT 4 LB - KT051BA4- 32
 - BIT 5 LB - KT051BE4- 34
 + BITS 4 AND 5 SPD - KT051DE4- 36
 - RESET - KT051AZ4- 38
 - LP CTR 0 - KT061RS4- 40
 + LP CTR 0 - KT061RT4- 42
 + V - KT061RU4- 44
 + LP CTR 1 - KT061RV4- 46
 - PRE RUS BIT 7 - KC021BA4- 48
 + BIT 6 FROM LINE BUFFER - KC021BB4- 50
 + BIT 5 FROM LINE BUFFER - KC021BC4- 52
 + BIT 4 FROM LINE BUFFER - KC021BD4- 54
 - PRE RUS BIT 3 - KC021BE4- 56
 - PRE RUS BIT 2 - KC021BF4- 58
 + BIT 8 FROM LINE BUFFER - KC021BG4- 60
 + LWR CASE BIT 1 LB - KC111BL6- 62



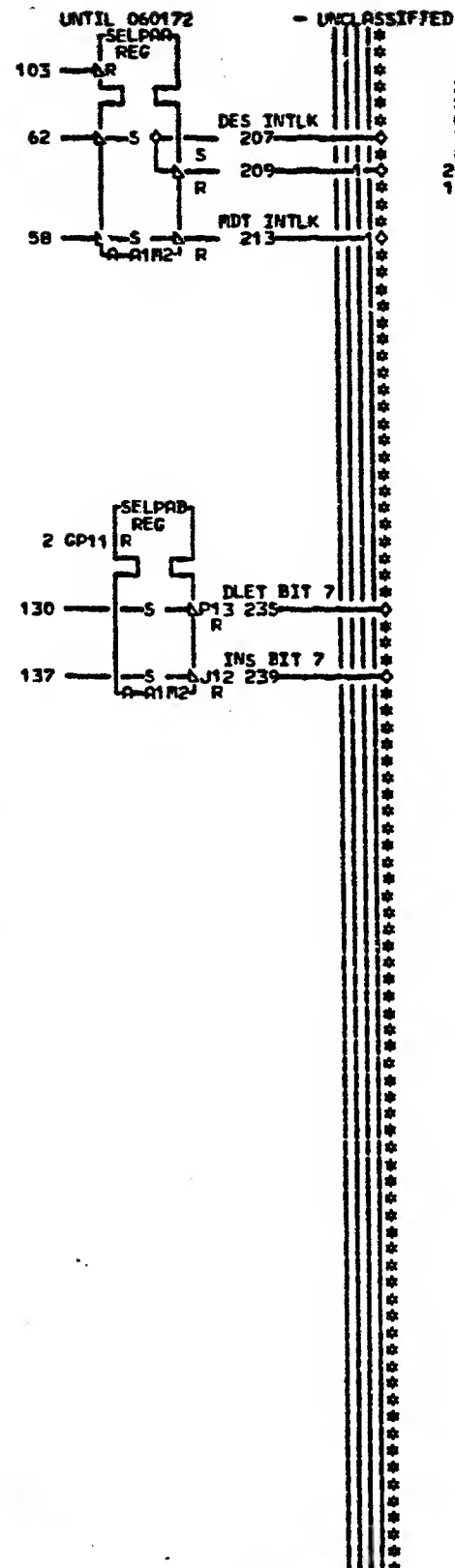
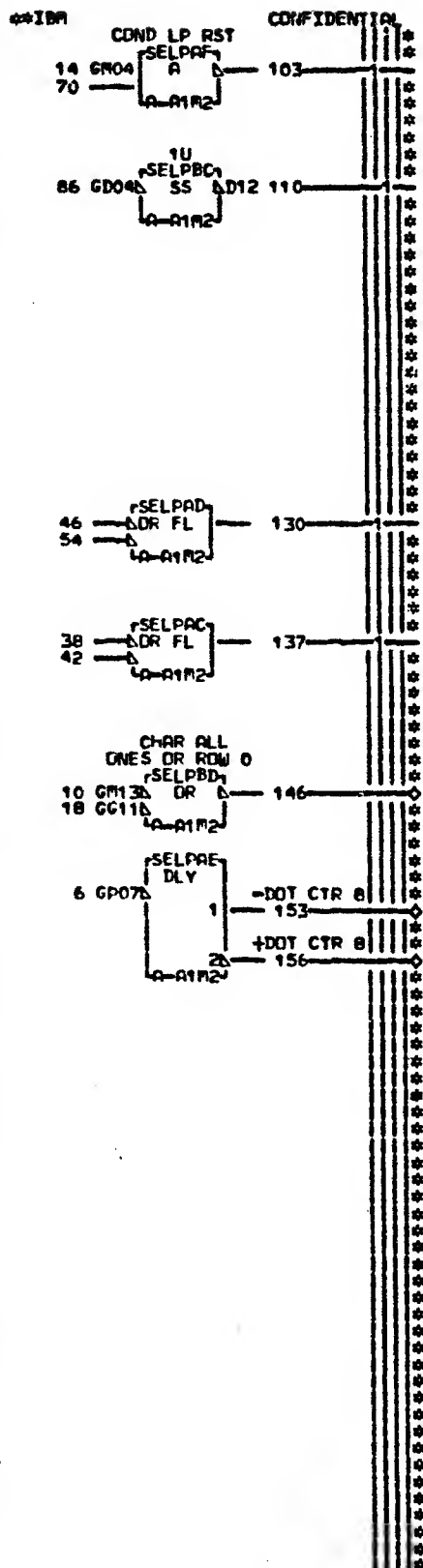
LOC. TYPE
R-A1R2 9088

PAGE VER EC LEV
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KT021 A15 717946

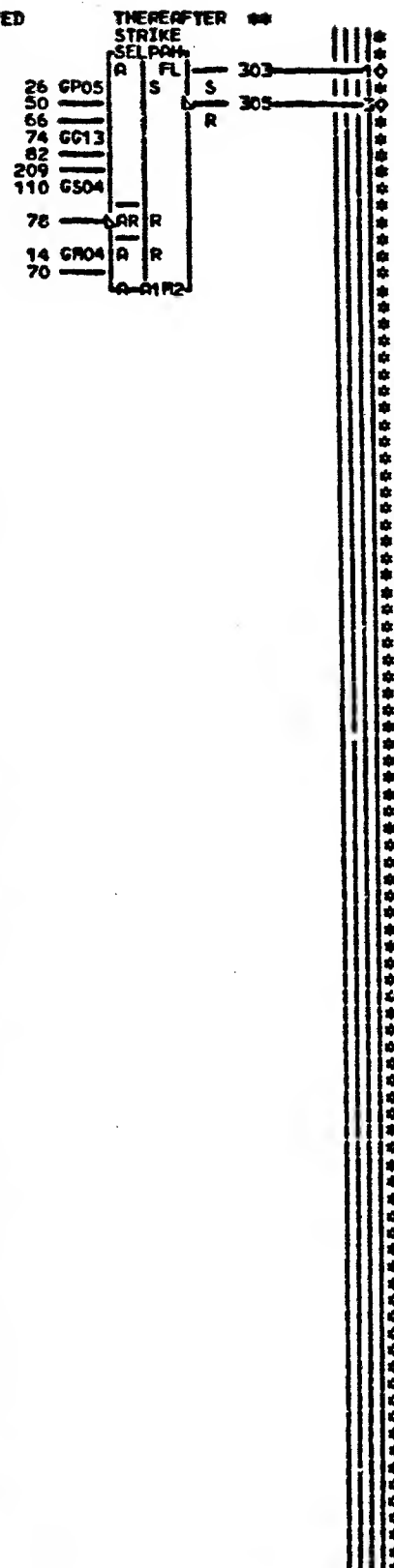
KT011
KT021
A15

RNR 1948 LP CTRL	
E.C. HISTORY	RACH 3277
717473	PAGE 01
716959	KT011
DATE	IBM CORP. KN
08-05-72	KT021
LAST EC	P.N. 1823774
717946	A15

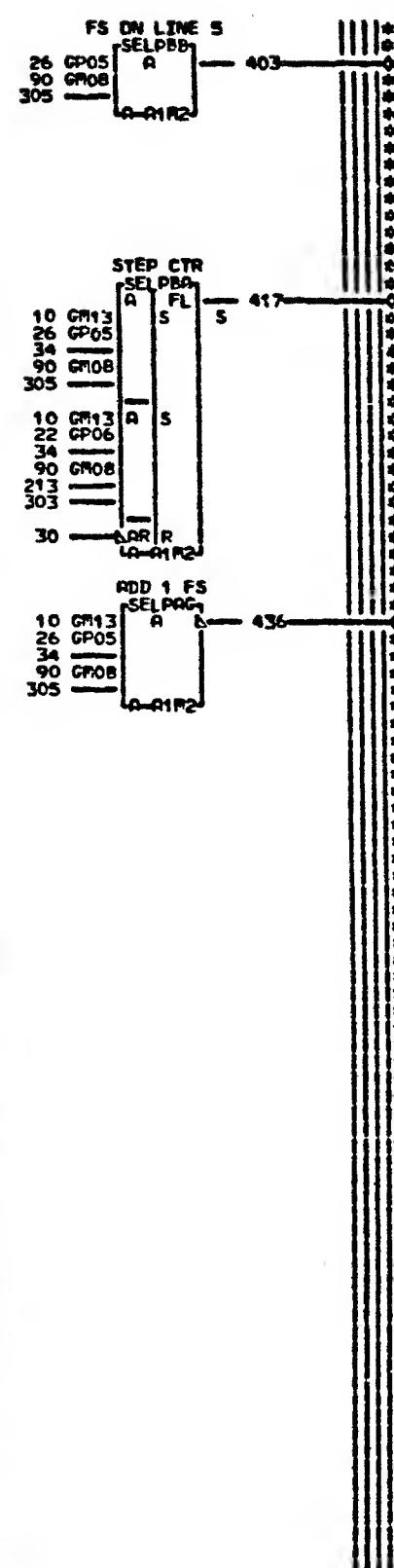
+ DOT 5 ———— KF021GB2 — 2 —
 + DOT 6 ———— KF021GF2 — 6 —
 - CHAR ALL ONES ———— KF031GJ4 — 10 —
 + STEP ROW CTR ———— KF141FB4 — 14 —
 - ROW 0 ———— KF151GE4 — 18 —
 + LAST LINE ———— KF171DB4 — 22 —
 + LP LINE ———— KF181CD4 — 26 —
 - DOT CTR 0 ———— KT011AA4 — 30 —
 + DOT CTR 6 ———— KT011AE4 — 34 —
 - SET LP INSRD RDT ———— KT011AG4 — 38 —
 - SET LP INSRD BIT 7 ———— KT011DG4 — 42 —
 - SET LP DLET RDT ———— KT011FG4 — 46 —
 + CORRECT DES CODE ———— KT011GH4 — 50 —
 - SET LP DLET BIT 7 ———— KT011HC4 — 54 —
 - SET RDT INTLK ———— KT011ML4 — 58 —
 - SET DES INTLK ———— KT011NP4 — 62 —
 + L² BUSY ON ———— KT051AF4 — 66 —
 - LP BUSY ON ———— KT051AG4 — 70 —
 - LP RID ———— KT051AJ4 — 74 —
 - RESET ———— KT051AZ4 — 78 —
 - LP CTR 0 ———— KT061AS4 — 82 —
 - LP STRIKE ———— KT101AR6 — 86 —
 + BIT 8 FROM LINE BUFFER ———— PC021BG4 — 90 —



LDC TYPE
A-A1R2 9088



PAGE VER EC LEV
KT031 001 717473
KT041 001 717946



KT031 KT041

153 - DOT CTR 8 ———— KT011-AC4
 235 - F & DELETE BIT 7 ———— GP4
 4MB011 4MB021
 239 - F & INSERT BIT 7 ———— GP4
 4MB011 4MB021
 213 - RDT INTLK SET ———— KT011-BB4
 156 + DOT CTR 8 ———— BC4
 4KT011 4KT021
 436 - ADD 1 FS ———— KT011-CP4
 303 + STRIKE LAT ———— GP4
 4KT011 4KT061
 305 - STRIKE LAT ———— RS4
 4KT021 4KT061
 207 + DES INTLK SET ———— KT011-AT4
 209 - DES INTLK SET ———— GP4
 4KT011 4KT051
 417 + STEP LP CTR ———— KT061-AV4
 403 +FS ON LINE 5 ———— KT011-BB4
 146 - CHAR ALL ONES OR ROW 0 ———— KT011-BH4

KT031
KT041
001

ANR 19748 LP CTRL
 -E-C-HISTORY- B PAC-3277
 717473
 DATE LAST EC
 08-05-72 717946
 FRAME 01
 IBM CORP.KN
 P.No 1823776
 001

IBM

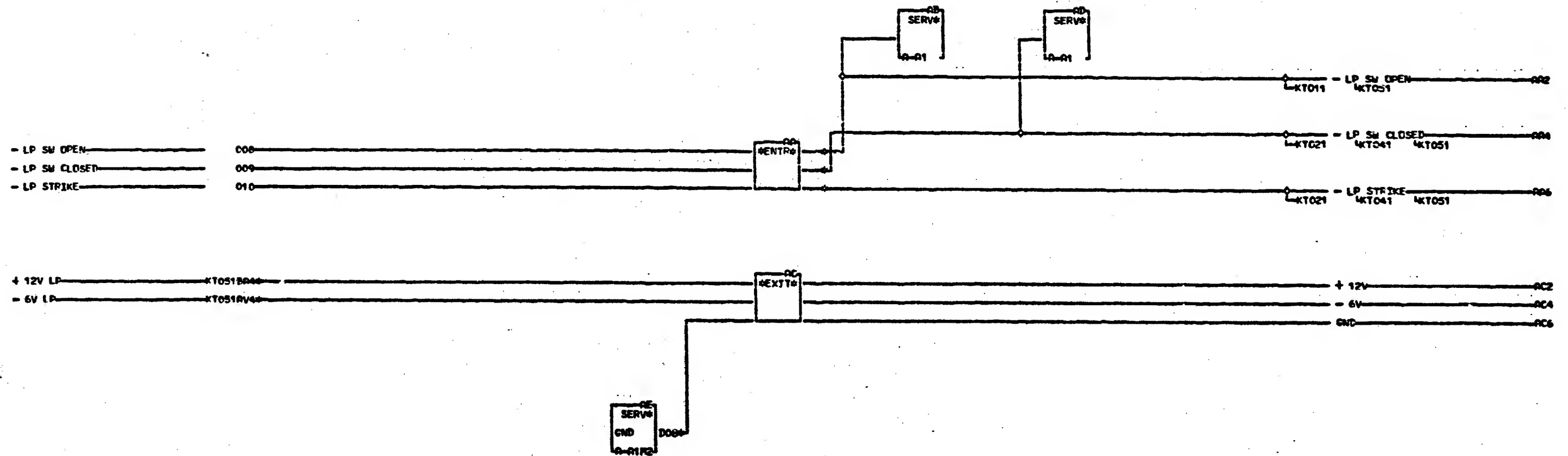
CONFIDENTIAL

UNTIL 060172

UNCLASSIFIED

THEREAFTER

001 KT101

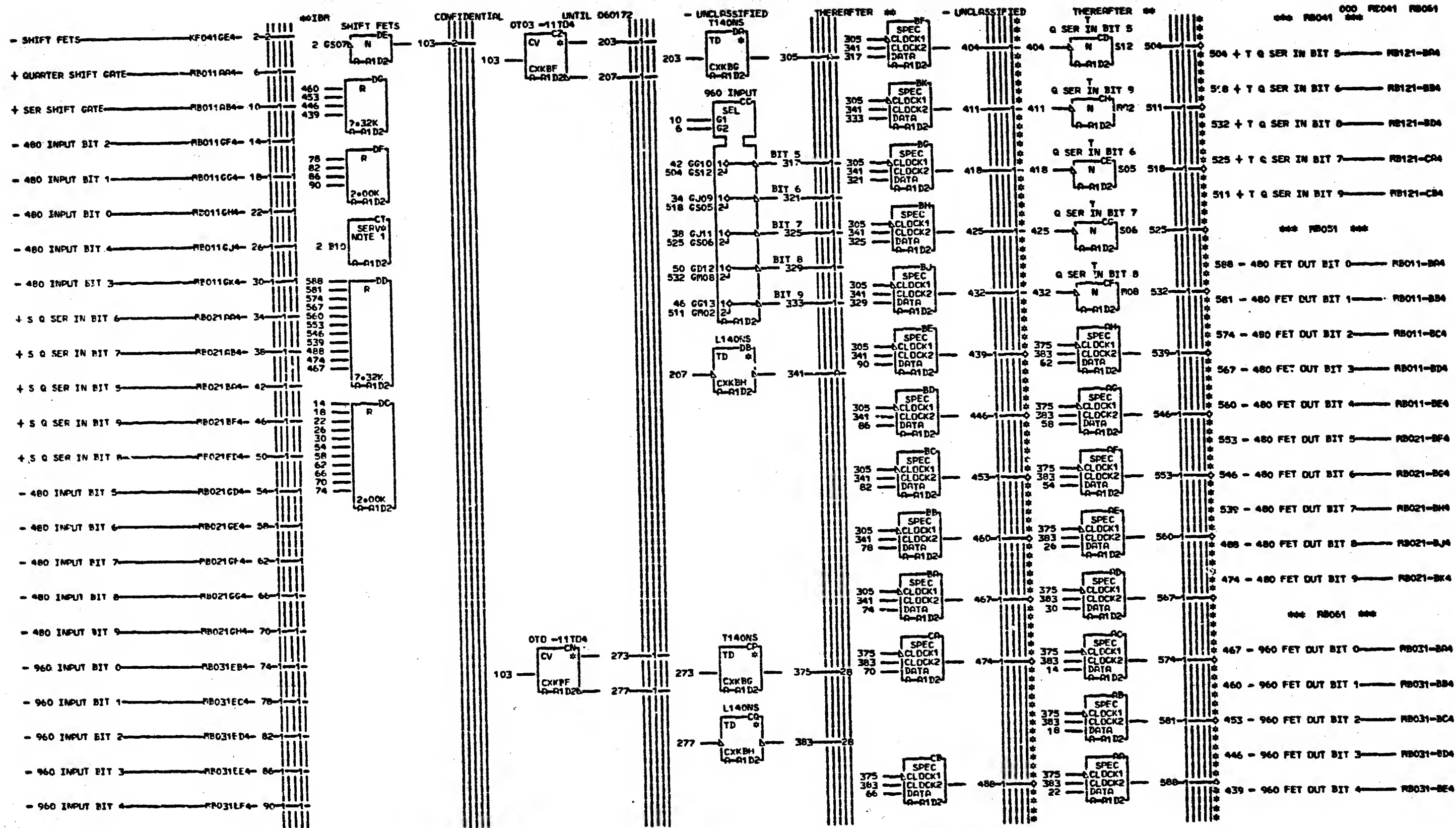


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01A-01L1C13
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01A-01N1B11
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01A-01L1B11
AC6 A-01L1B13

AC4 A-01R1B13
01A-01R1A11

LOC. TYPE

SELECTOR PEN INTERFACE LINES
E.C. HISTORY 717473
DATE 06-01-72
LAST EC 717492
P.N. 1823783
PACH-3277
FRAP 01
IBM CORP. SDD
KT 101
001



RB041
RB061
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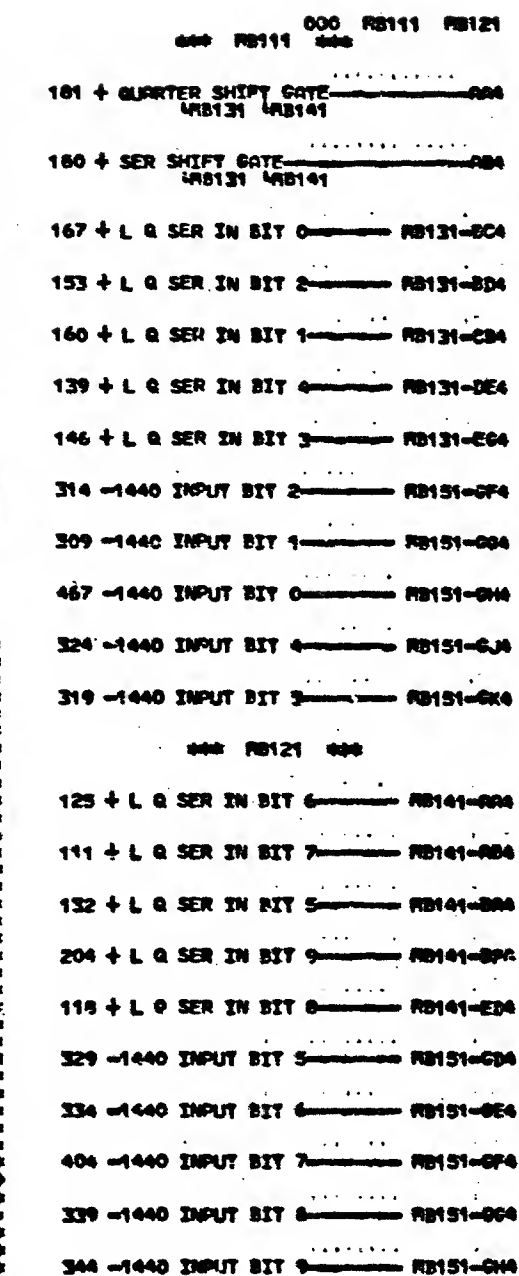
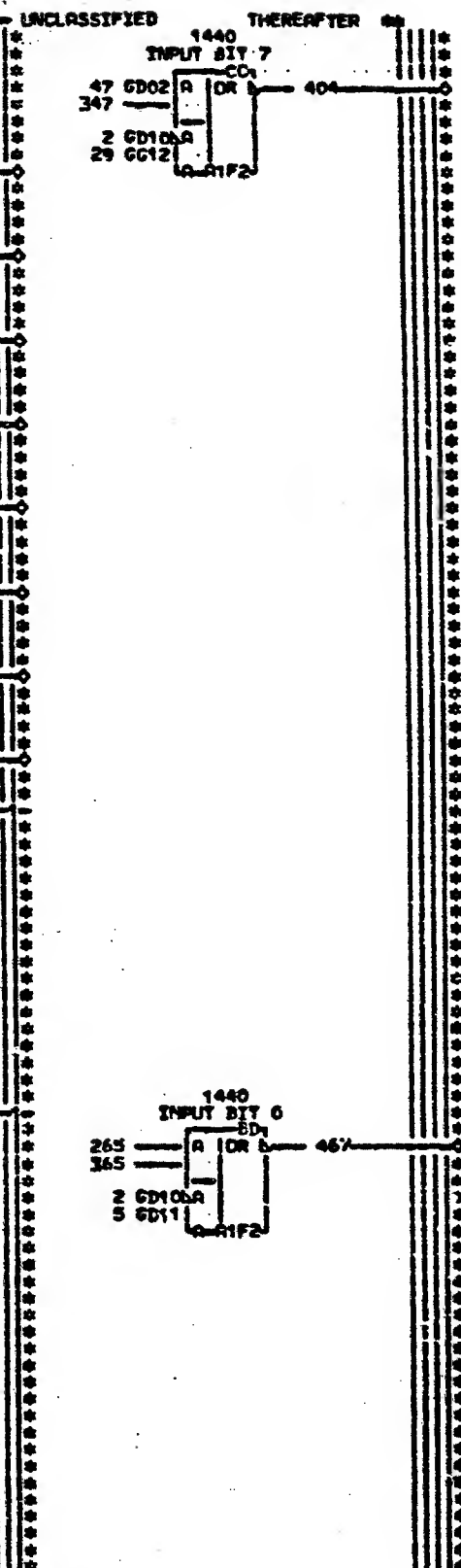
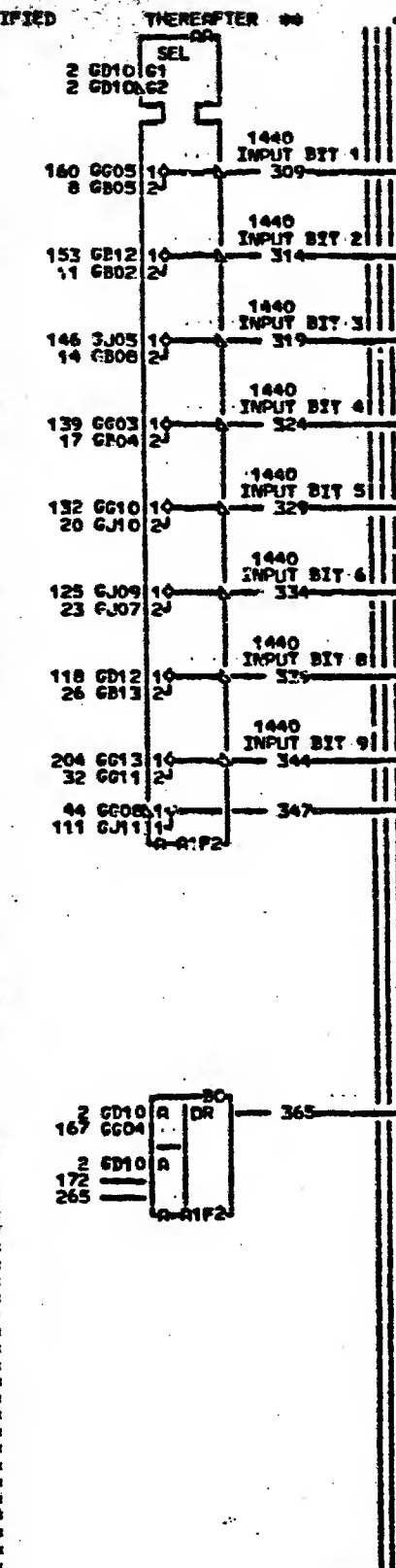
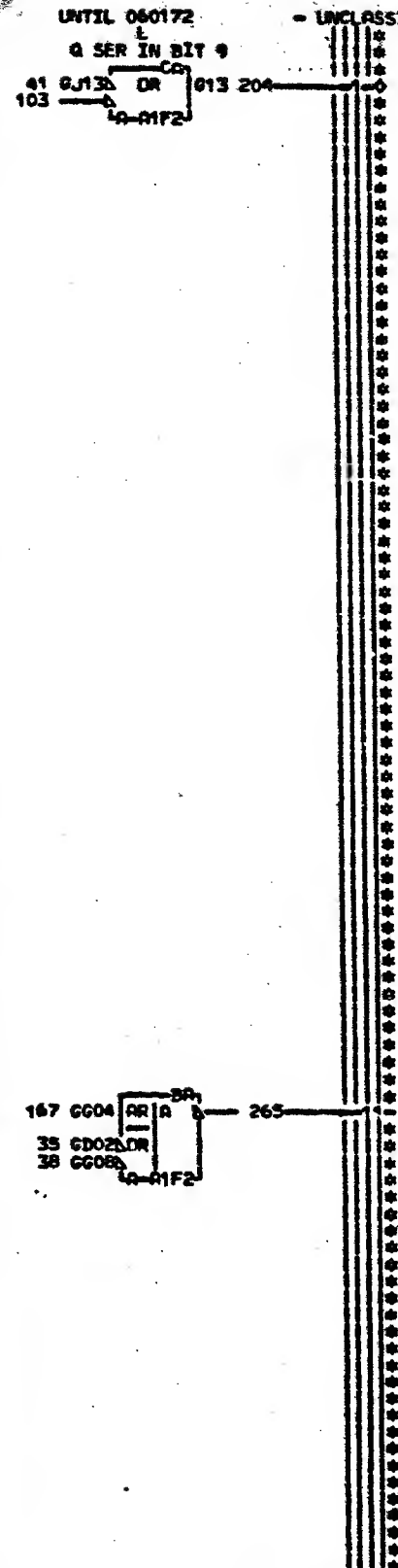
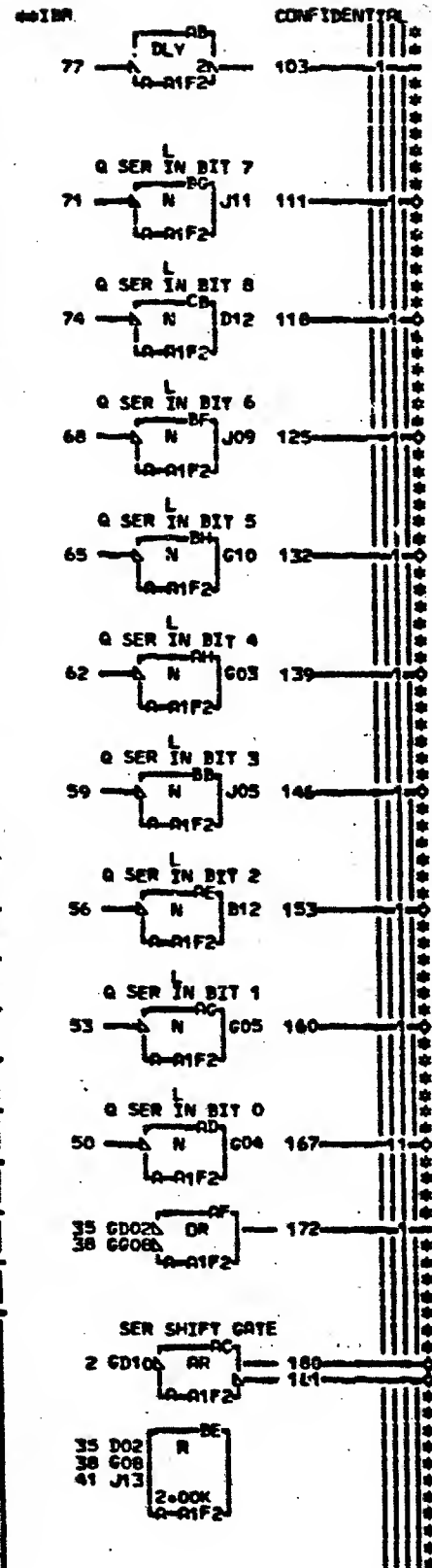
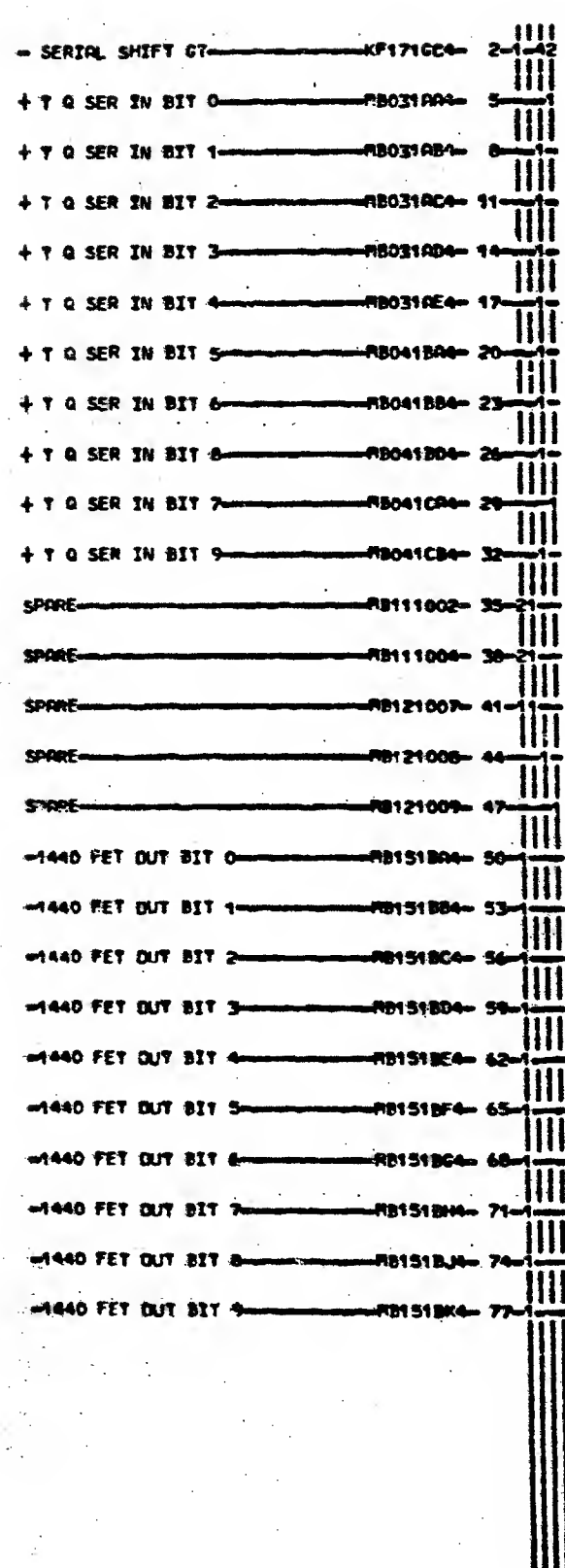
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RB061 000 717492

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717473	FRONE 01 RB041
717492	IBR CORP-KW RB061
DATE LAST EC	PoN 1823789 000
08-05-72 717946	



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FRAME 01 RB111
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DATE LAST EC
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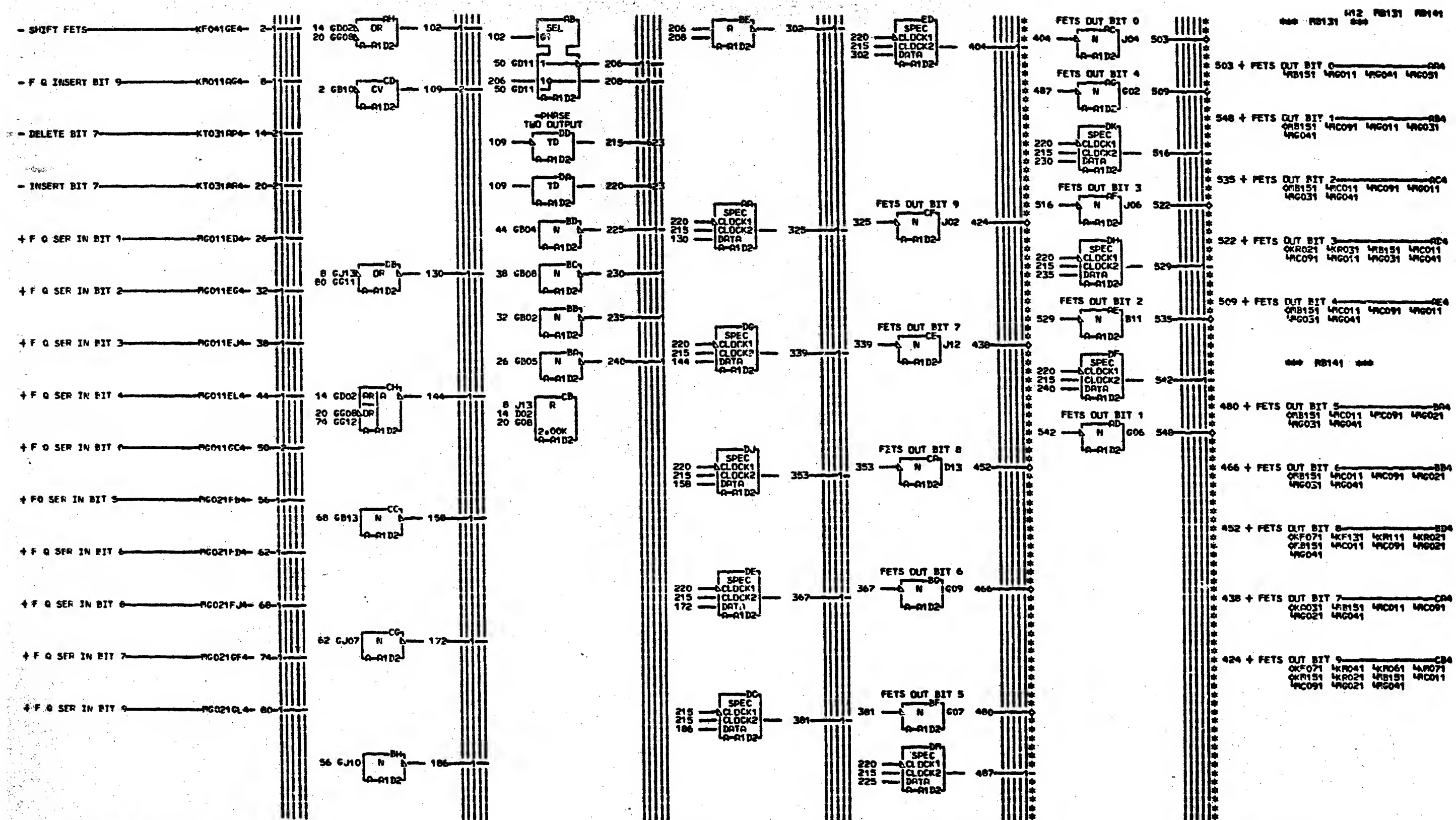


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01-21-72 717473	P.N. 1823782 000



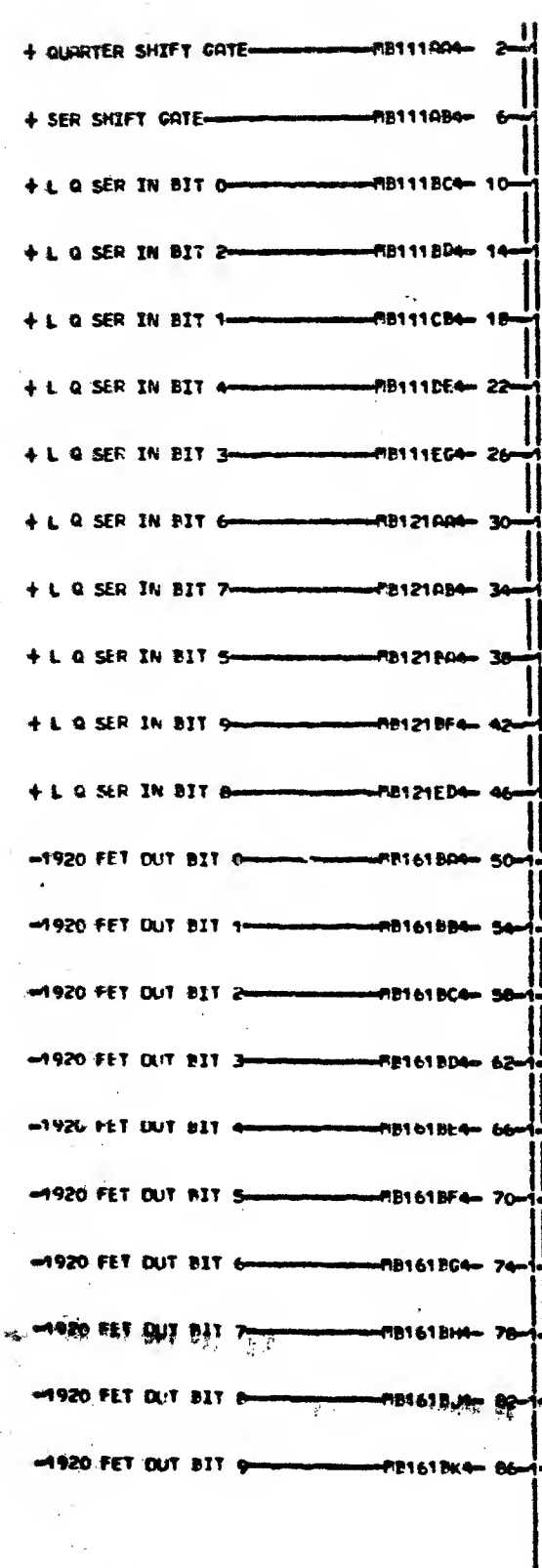
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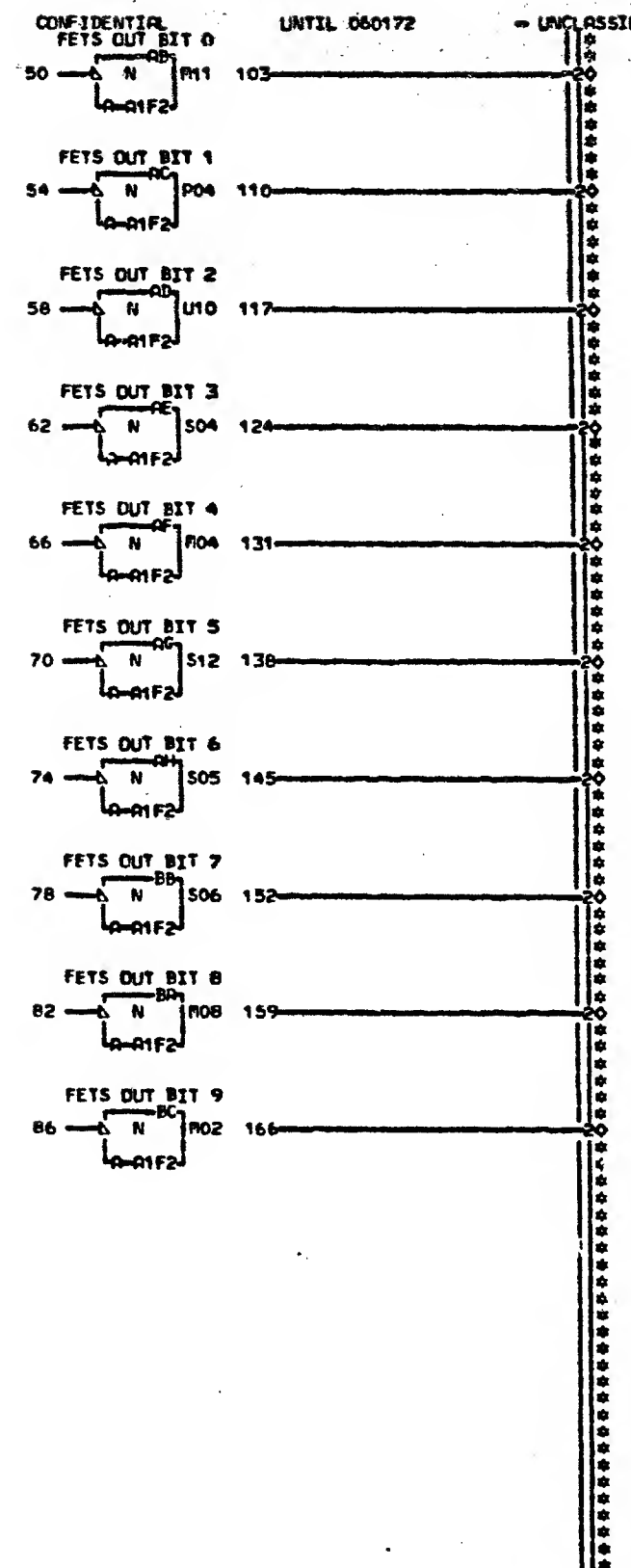
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DATE LAST EC		IBM CORP. KN	
08-05-72	717946	P.N. 1823799	A12

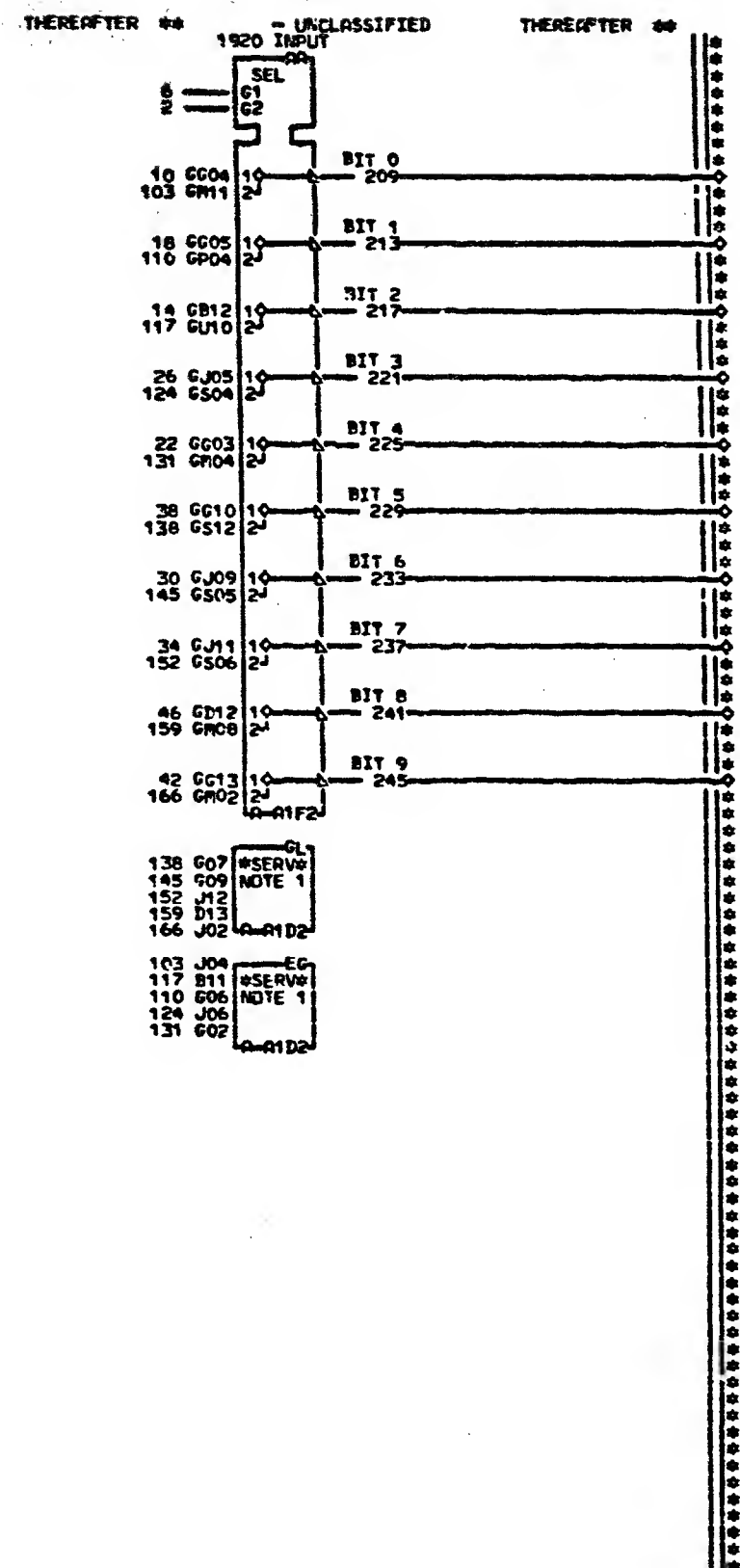
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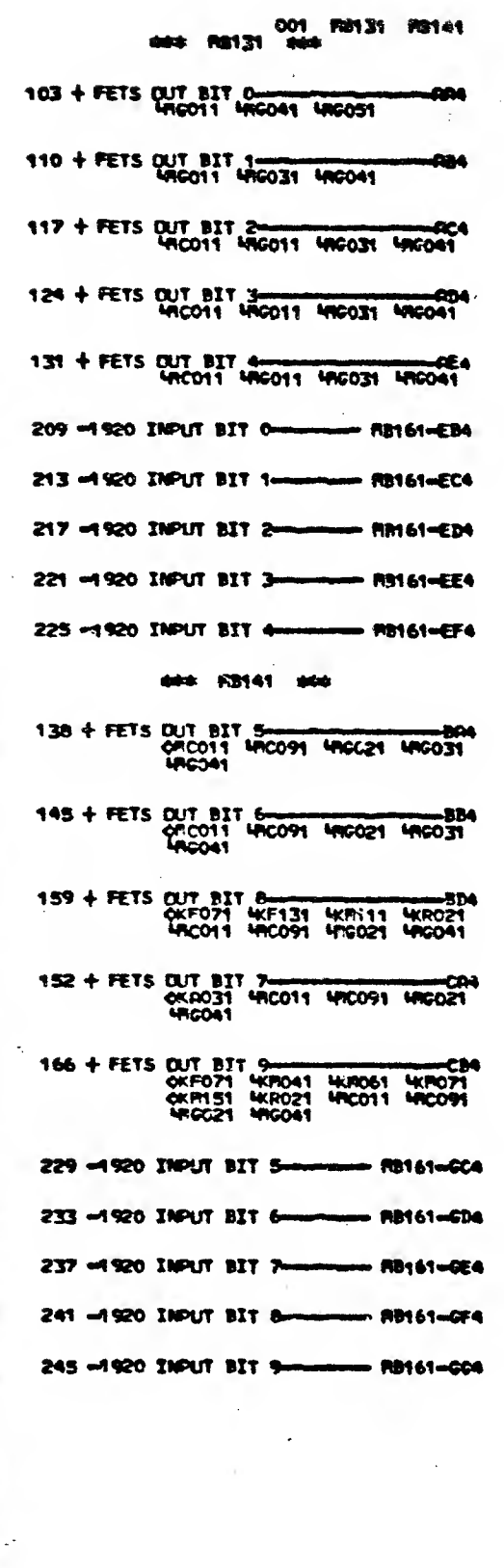
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LDC. TYPE
A-R1F2 9065



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960 STORE + GATE	
E-C-HISTORY 717473	B-RACH-3277 FRAME 01 IDR CORP-PP P-N 1823795
DATE LAST EC 08-05-72 717946	001

RB131
RB141
001

NOTE 1 FOR 480 FORMAT
SIM TO PN 1563778 EC 717473
NOTE 1 FOR 480 FORMAT

- SHIFT FETS - KF041GE4- 2-3
 - SERIAL SHIFT GT - KF171GC4- 9-2
 + FETS OUT BIT 0 - RB131AA4- 16
 + FETS OUT BIT 1 - RB131AB4- 23
 + FETS OUT BIT 2 - RB131AC4- 30
 + FETS OUT BIT 3 - RB131AD4- 37
 + FETS OUT BIT 4 - RB131AE4- 44
 + FETS OUT BIT 5 - RB141BA4- 51
 + FETS OUT BIT 6 - RB141BB4- 58
 + FETS OUT BIT 8 - RB141BD4- 65
 + FETS OUT BIT 7 - RB141CA4- 72
 + FETS OUT BIT 9 - RB141CB4- 79

IBM

CONFIDENTIAL

UNTIL 060172

108 D11
 109 B05
 110 B04
 111 B13
 112 C11

THEREAFTER

UNCLASSIFIED

THEREAFTER

002 RB151 RB161

AC
 SERV
 NOTE 1
 A-A1D4

B11 108
 D04 109
 B04 110
 B08 111
 B02 112

2 B07
 A-A1D5

16 R11
 23 P04
 30 U10
 37 S04
 44 R04
 51 S12
 58 S05
 72 S06
 65 R08
 79 R02

AD
 SERV
 NOTE 1

2 S07 A-A1F2

AC
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 NOTE 1

2 B10 A-A1D2

AB
 SERV
 NOTE 1

158 B02
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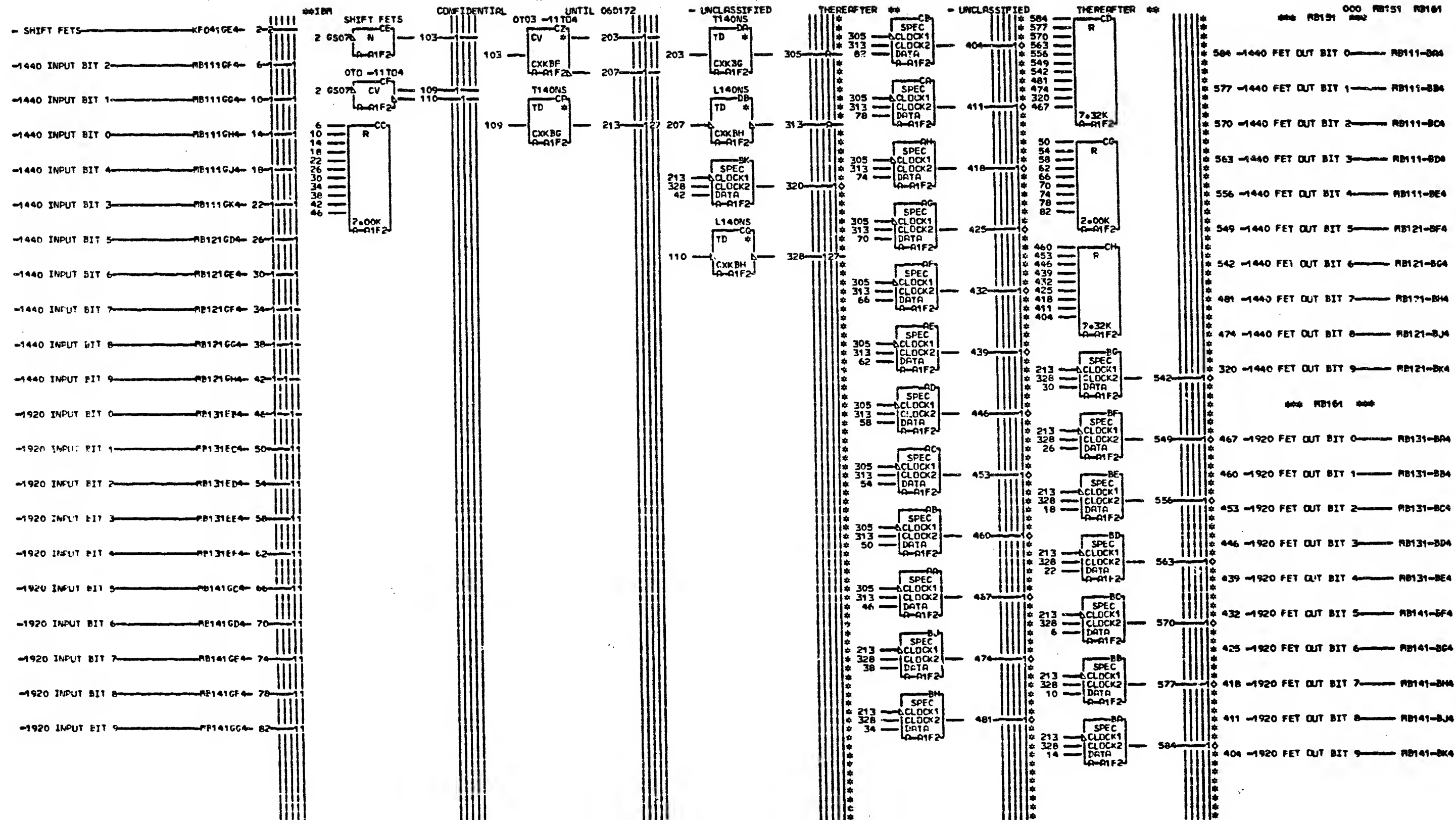
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 B-SIM TO PN 1563761 EC 717473

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 RB161 002 717473

RB151
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ECO-HISTORY	ROCH.3277
717473	FRAME 01 RB151
DATE LAST EC	IBM CORP. SDD RB161
08-11-72 717946	P.N. 1823802 002



LDC TYPE
A-A1F2 9065

PAGE VER EC LEV
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RB161 000 717492

RB151
RB161
000

960 STOR + GATE	
E-C-HISTORY	RACH-3277
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717492	IBP CORP-PD RB161
DATE LAST EC	P-N- 1623801 000
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UNTIL 060172



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ATB AC011 AC021

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FC099

FIGURE 1

A15

LOC. TYPE

PAGE VER FC LEV

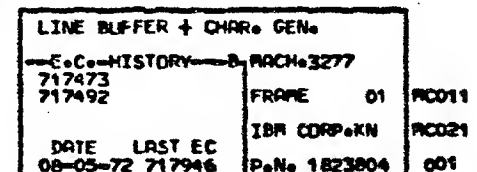
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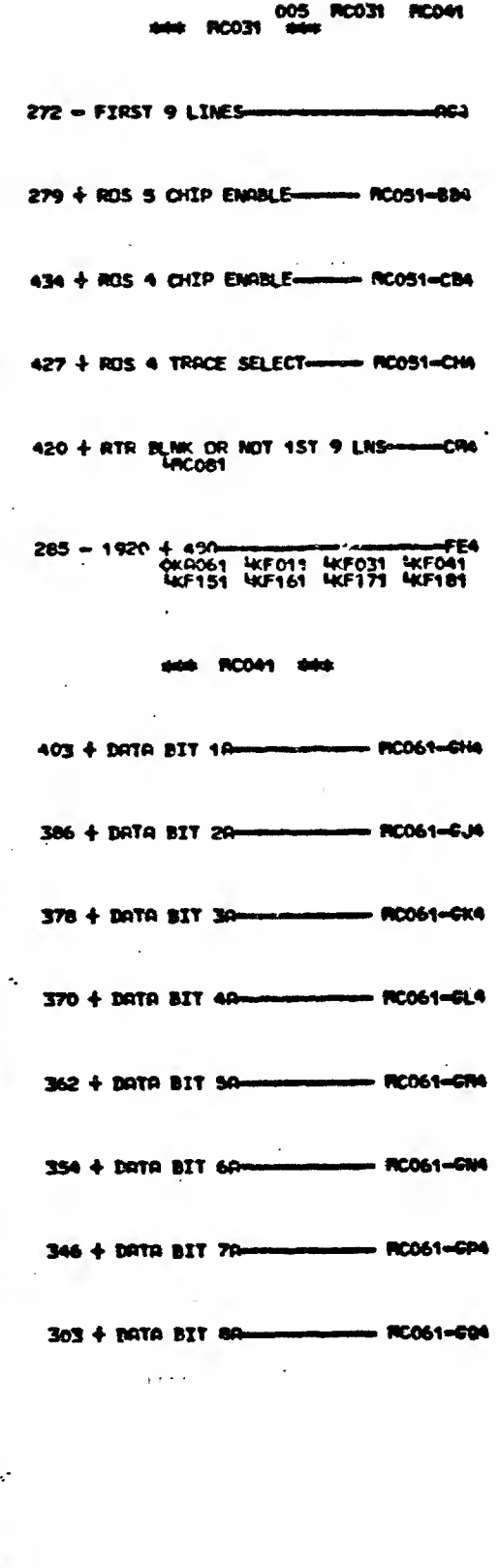
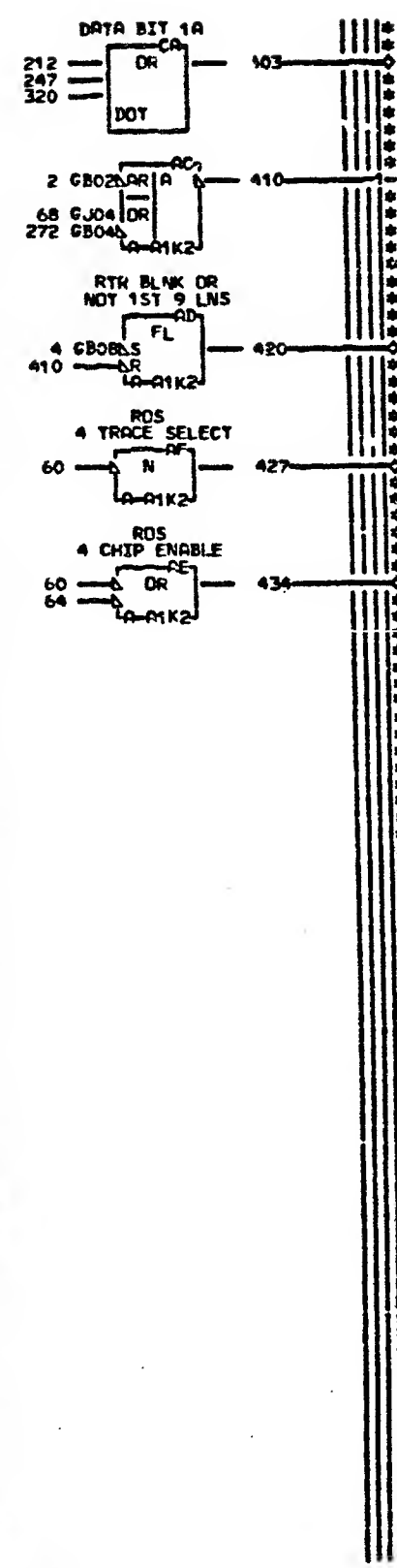
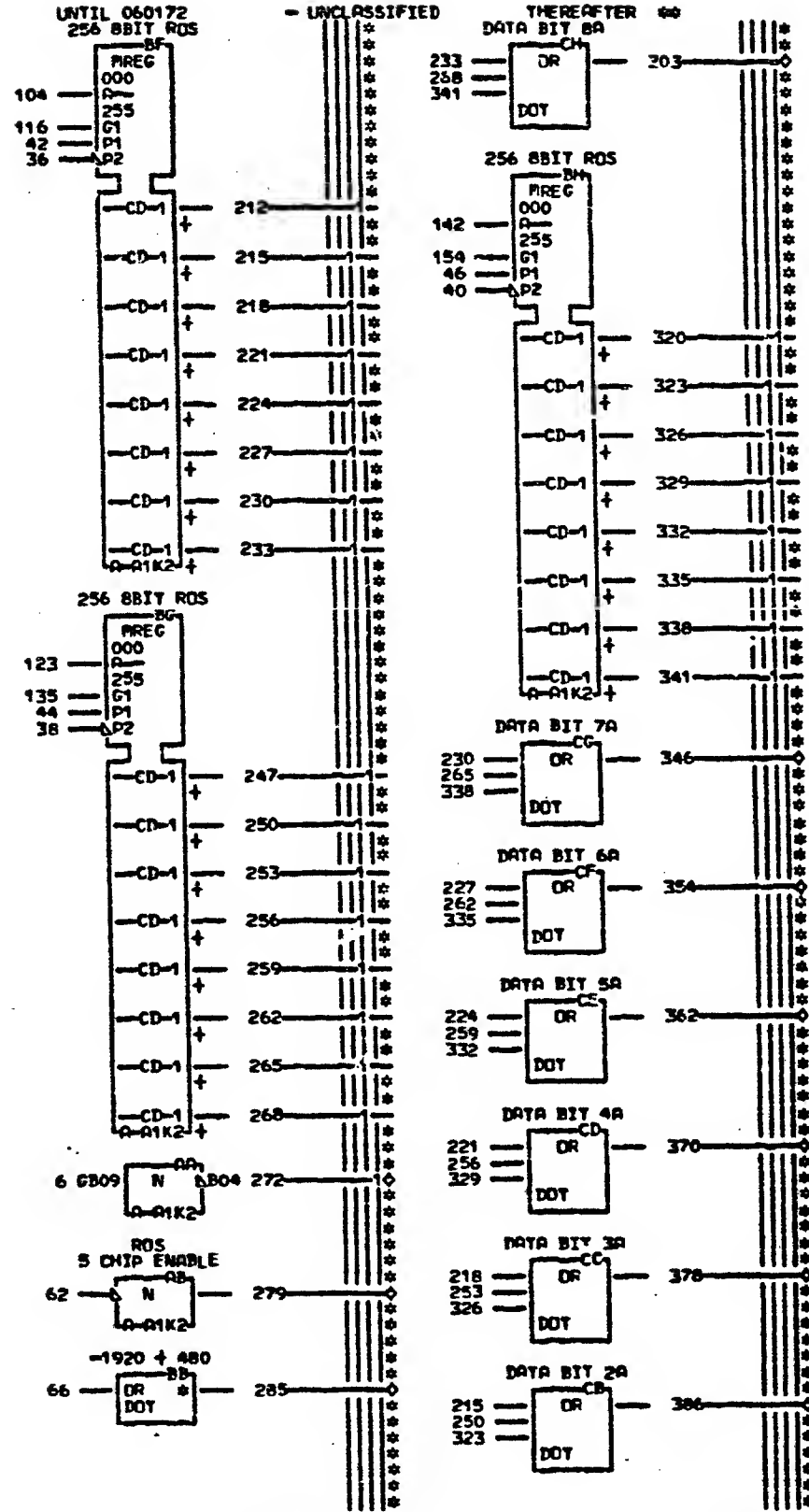
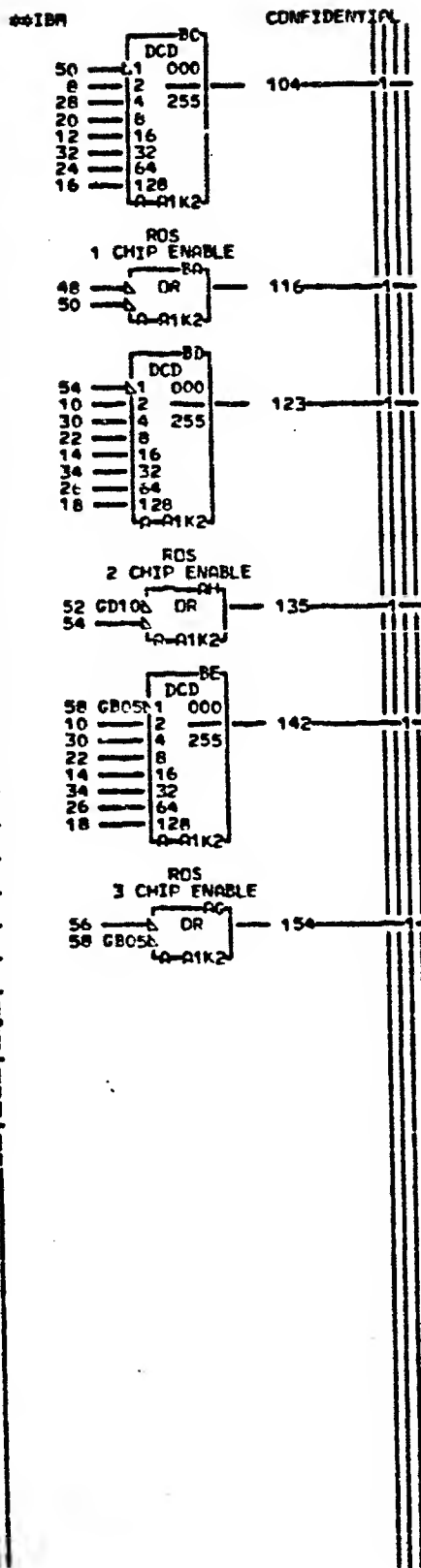
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VER CORR-SDO INC021

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IFN. 1823810 1 #15



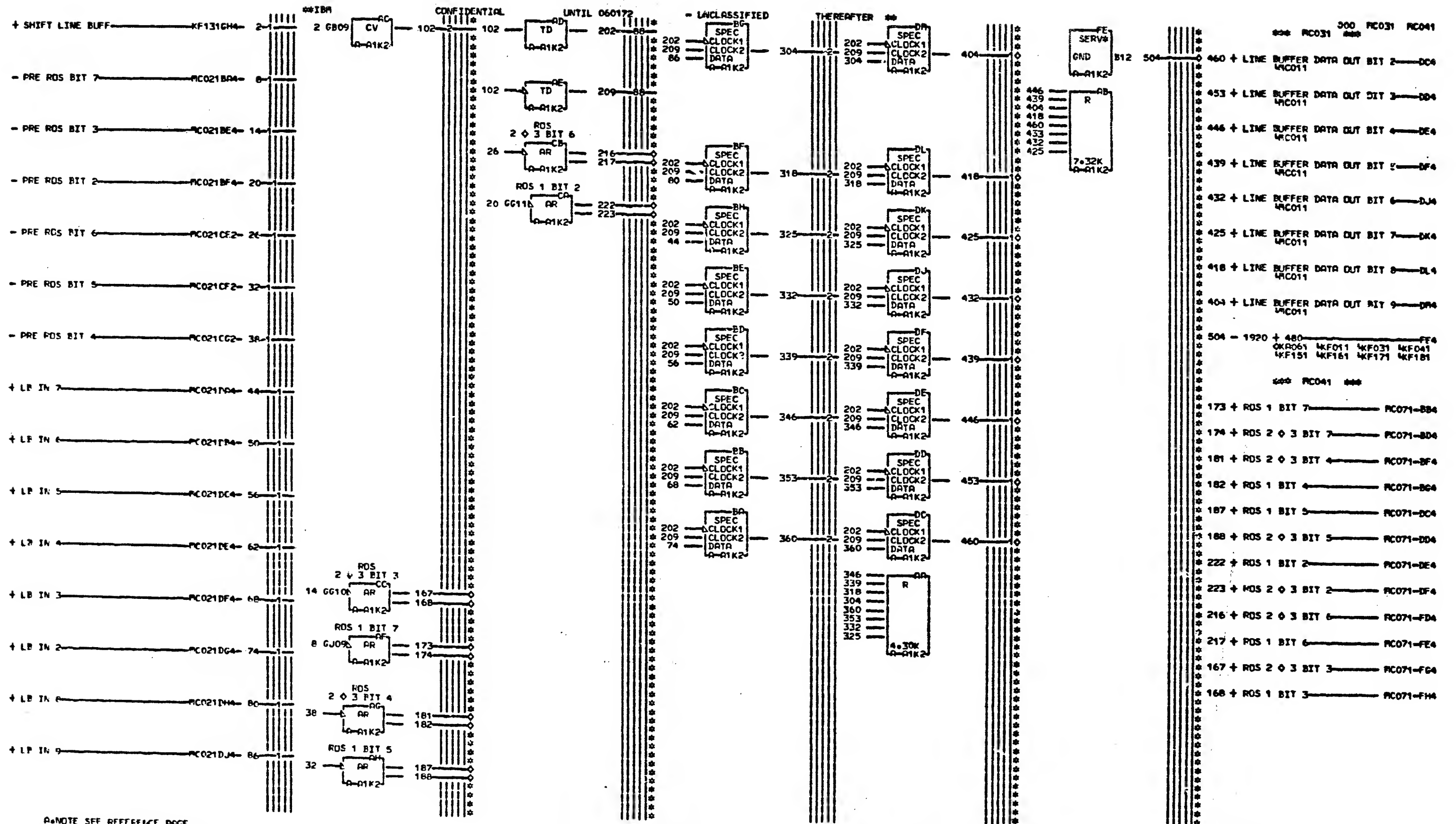


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 72101 FOR CHARACTER
 GENERATOR CARDS.
PC041 SIM TO PN 1563785 EC 717946
C03

LDC. TYPE
A-A1K2 9123

PAGE VER EC LEV
PC031 005 718541
PC041 005 718541

480 + 1920 CHAR. GEN.		
KATAPANA OR EXTENDED CHAR SET		
to C. HISTORY - B. PCH. 3277		
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DATE LAST EC		
10-02-72 718541		



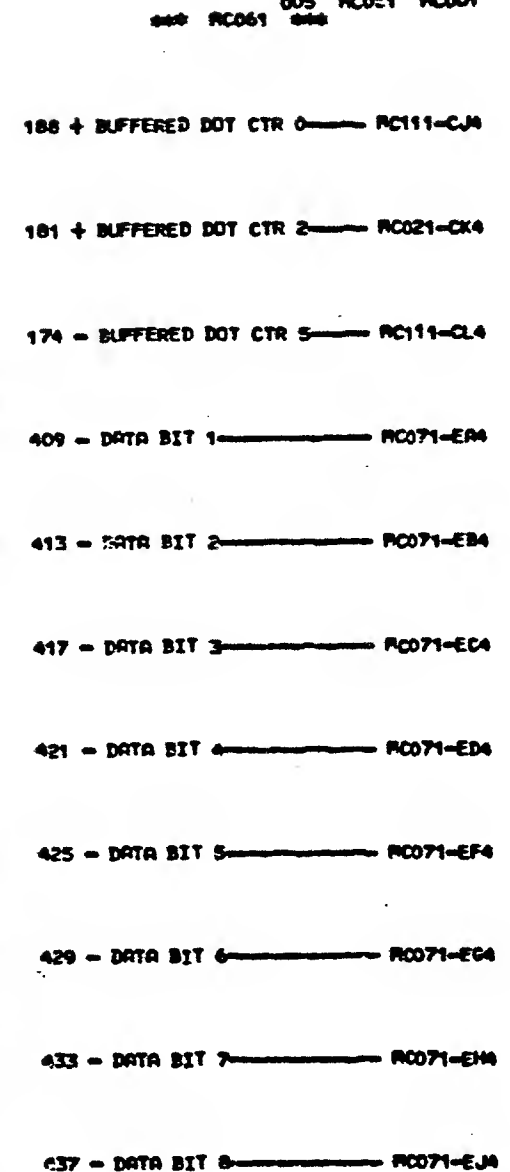
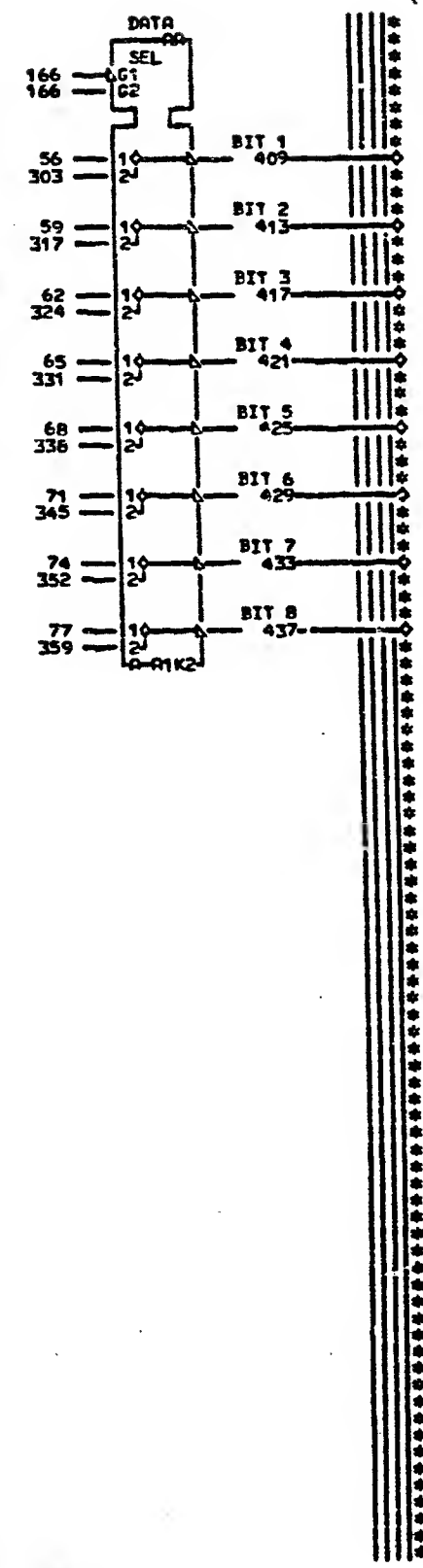
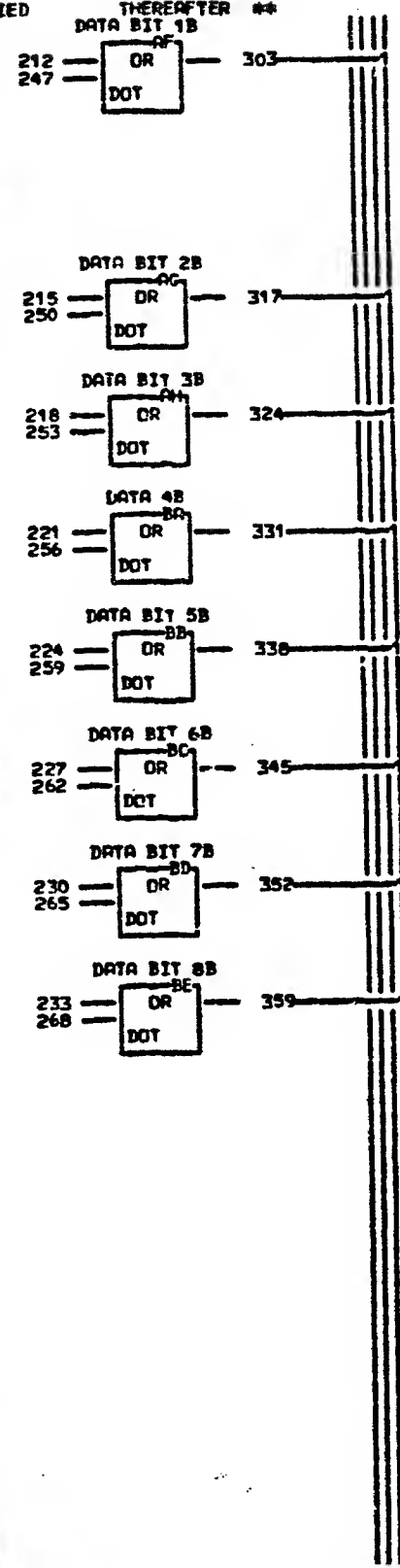
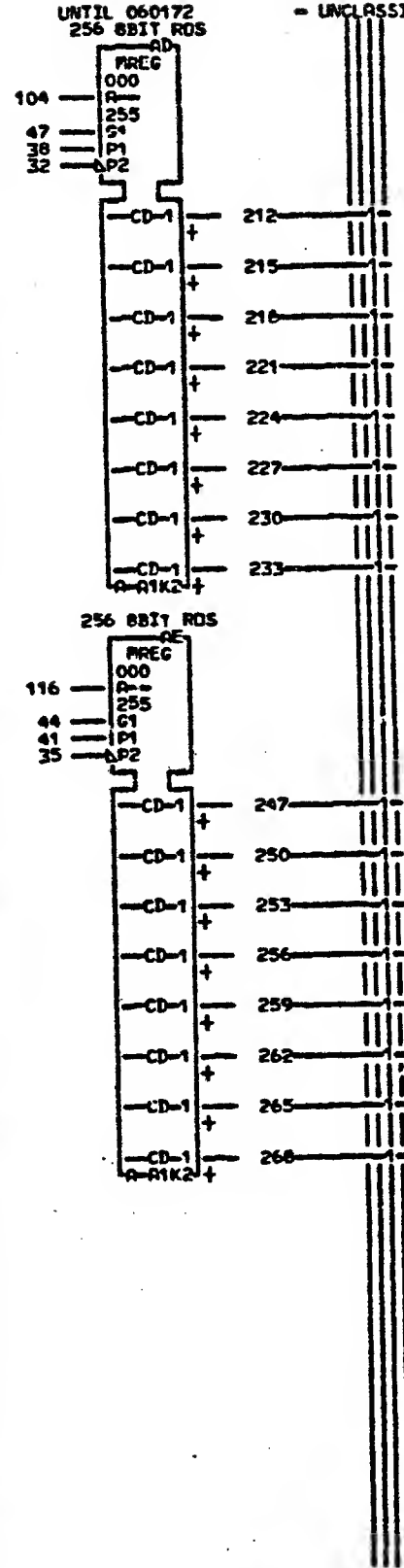
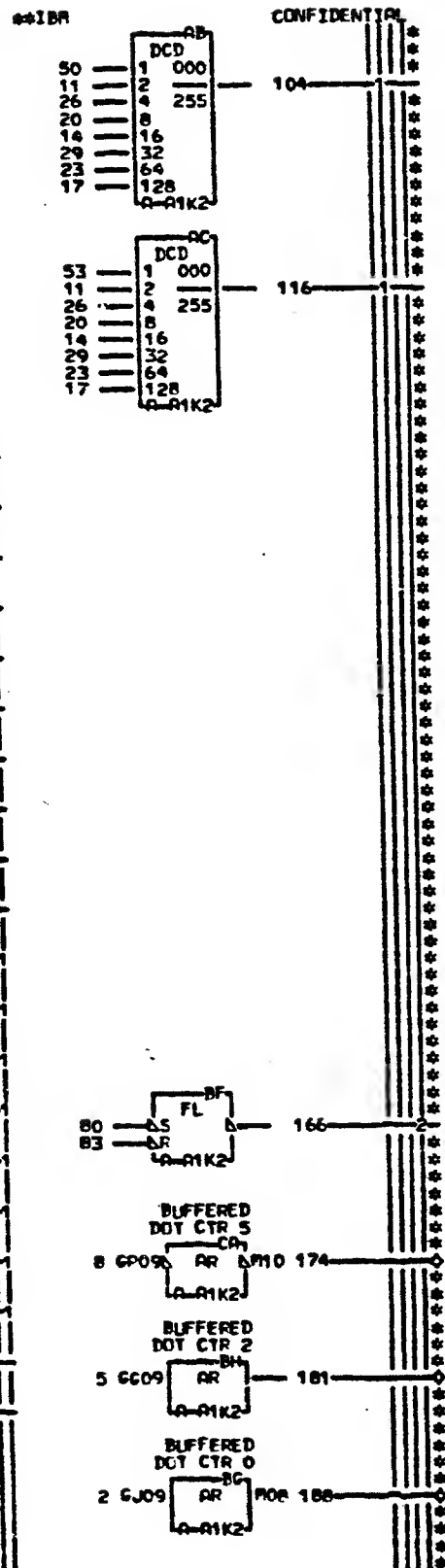
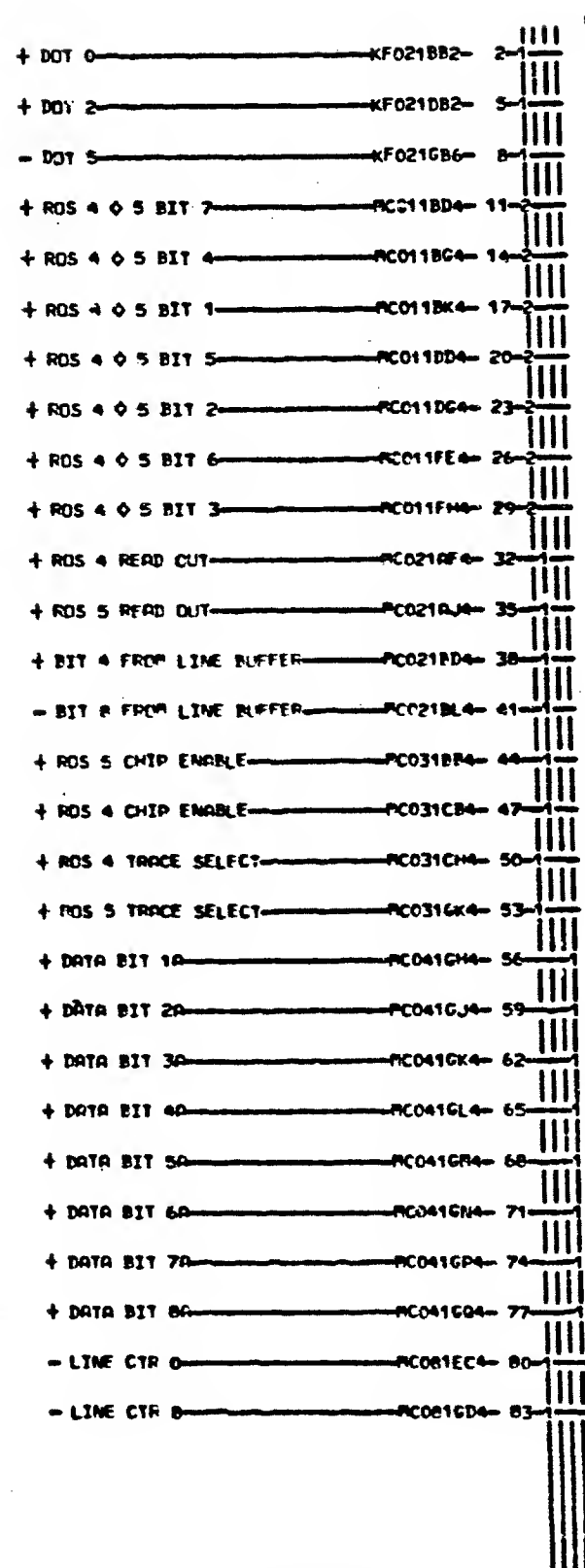
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22101 FOR CHARACTER GENERATOR
CARDS
B-NOTE SEE REFERENCE PAGE
22101 FOR CHARACTER GENERATOR
CARDS

PC031
PC041
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LDC TYPE
A-A1K2 9070

PAGE VER EC LEV
PC031 000 717492
PC041 000 717946

LINE BUFFER + CHAR. GEN.
E.C. HISTORY - E.ACH 3277
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DATE LAST EC
08-05-72 717946
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P.N. 1823611
PC031
PC041
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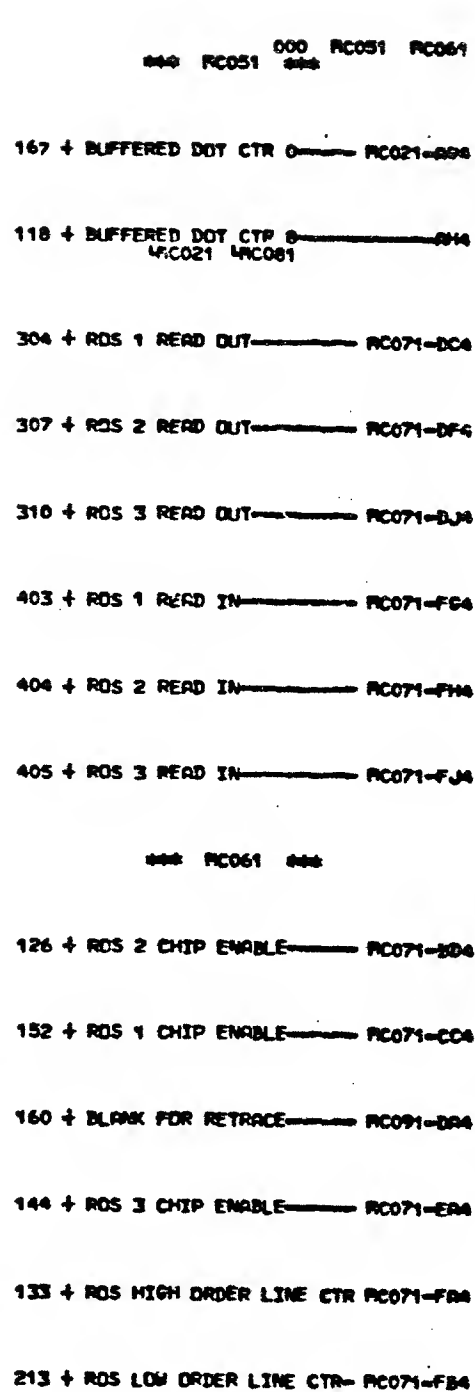
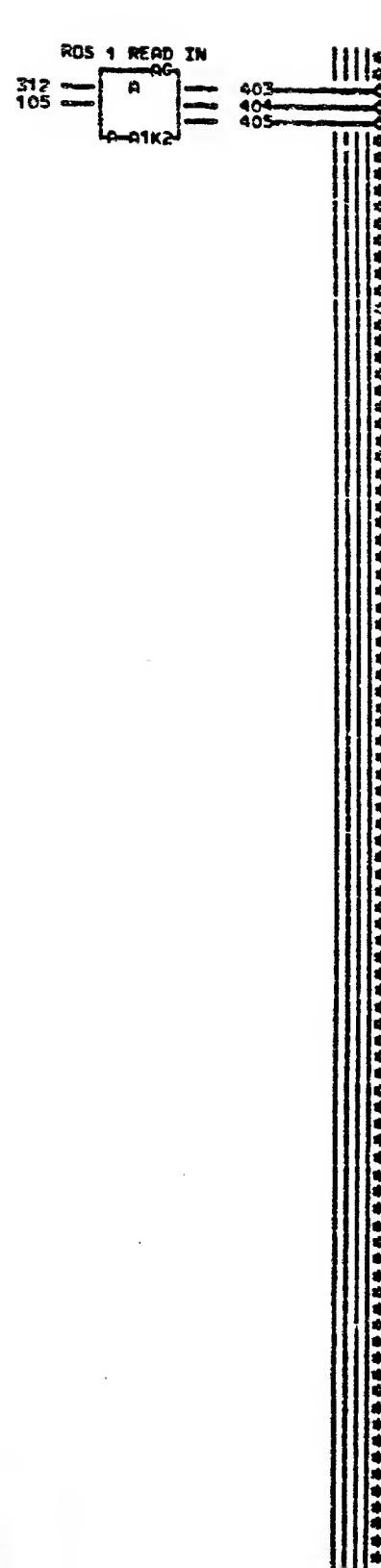
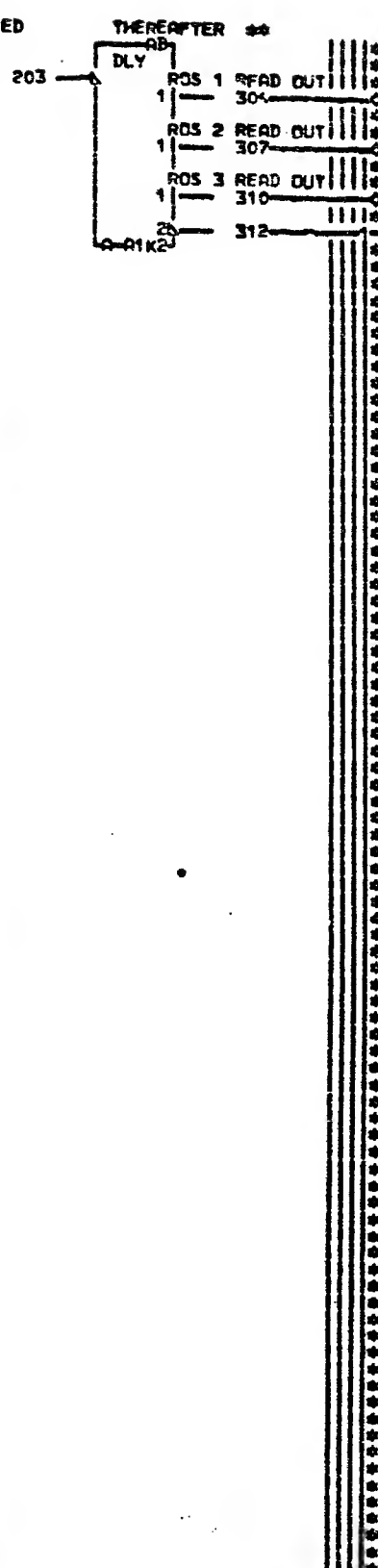
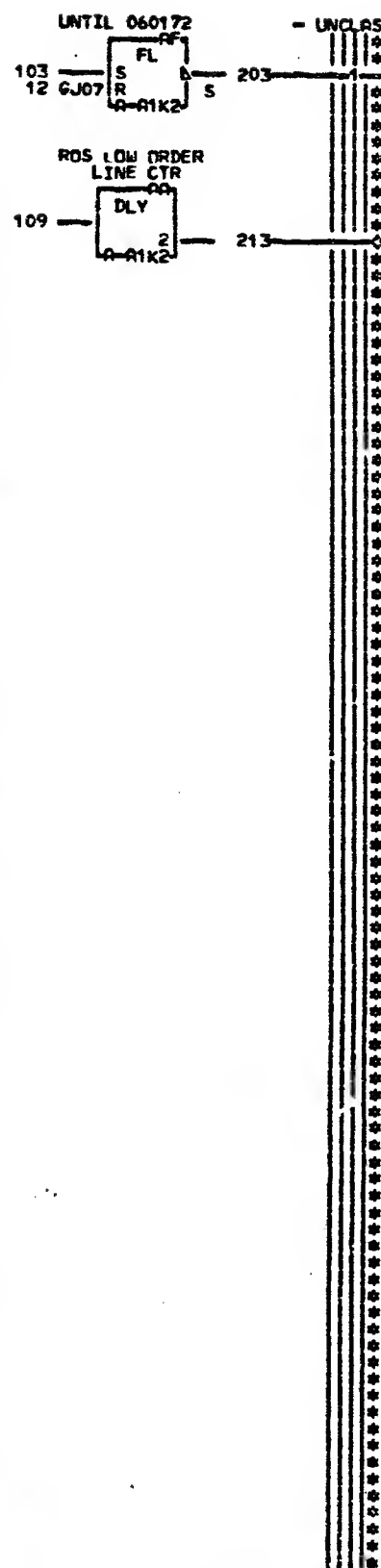
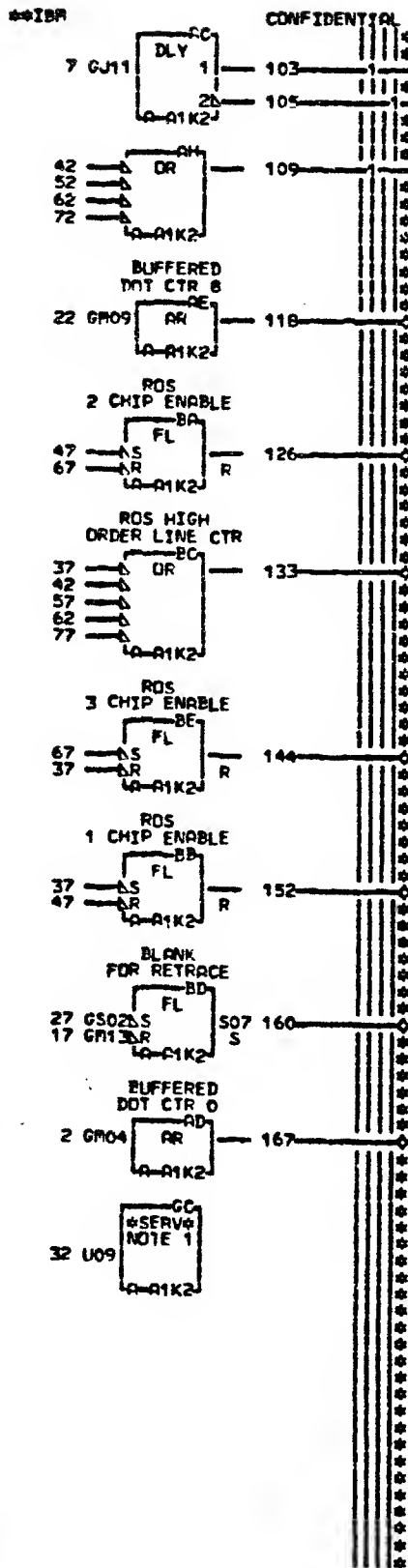
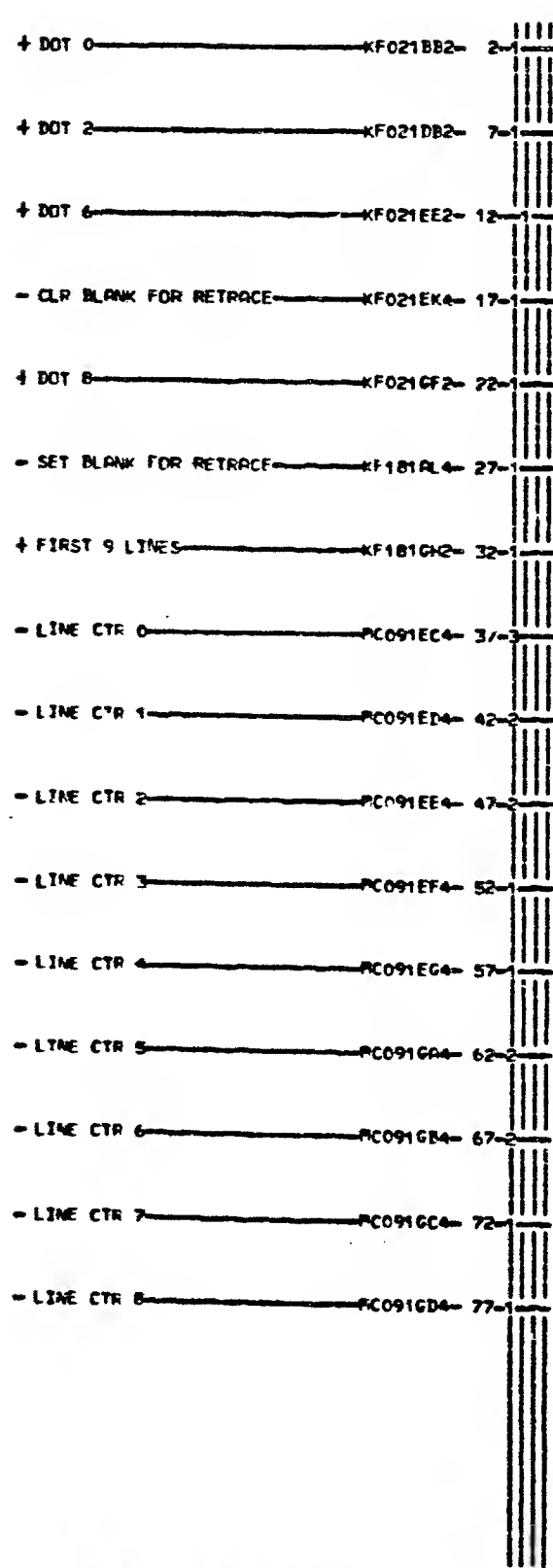


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JM TO PM 1563765 EC 717492
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22101 FOR CHARACTER
GENERATOR CARDS.
SJM TO PM 1563767 EC 717492
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LDC TYPE
A-R1K2 9123

PAGE VER EC LEV
AC051 005 718541
AC061 005 718541

400 + 1920 CHAR. GEN.
KATAKANA OR EXTENDED CHAR SET
E.C. HISTORY B. PACH. 3277
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DATE LAST EC
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Pch 1823818 005

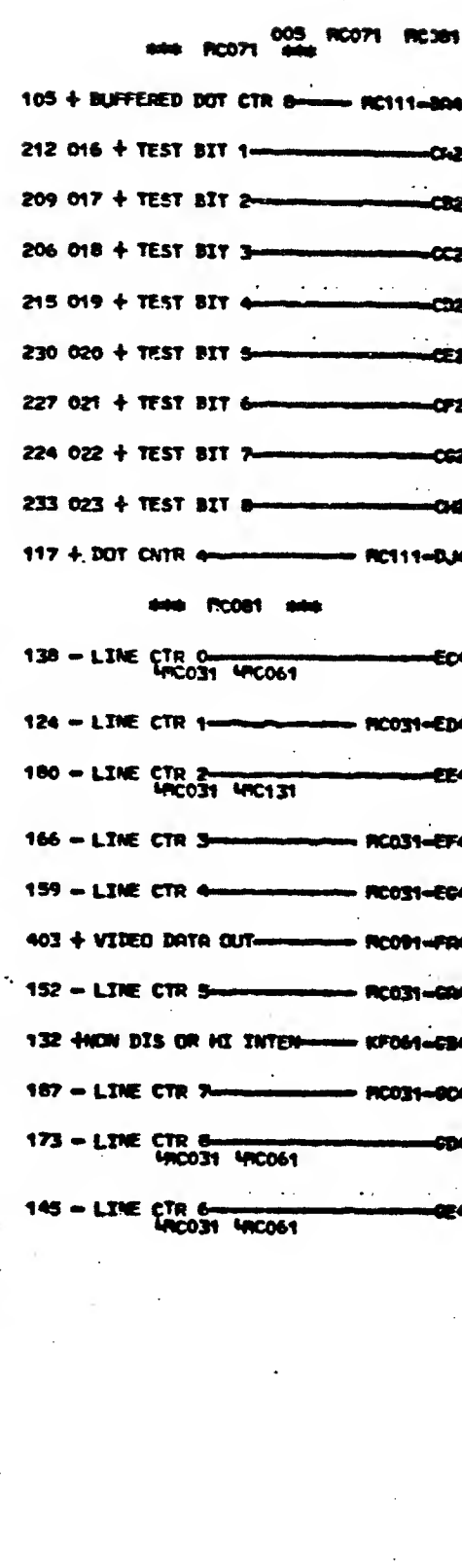
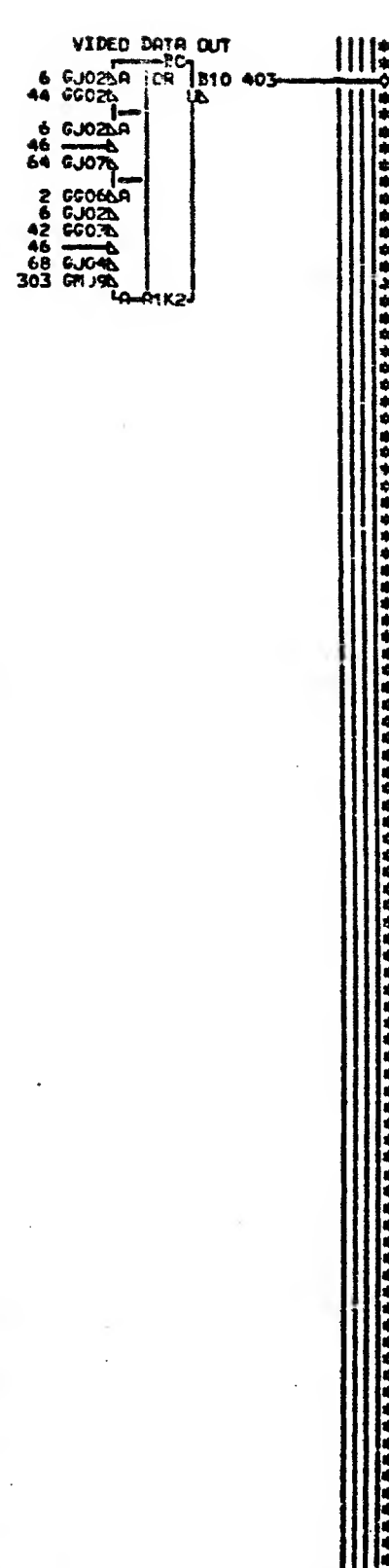
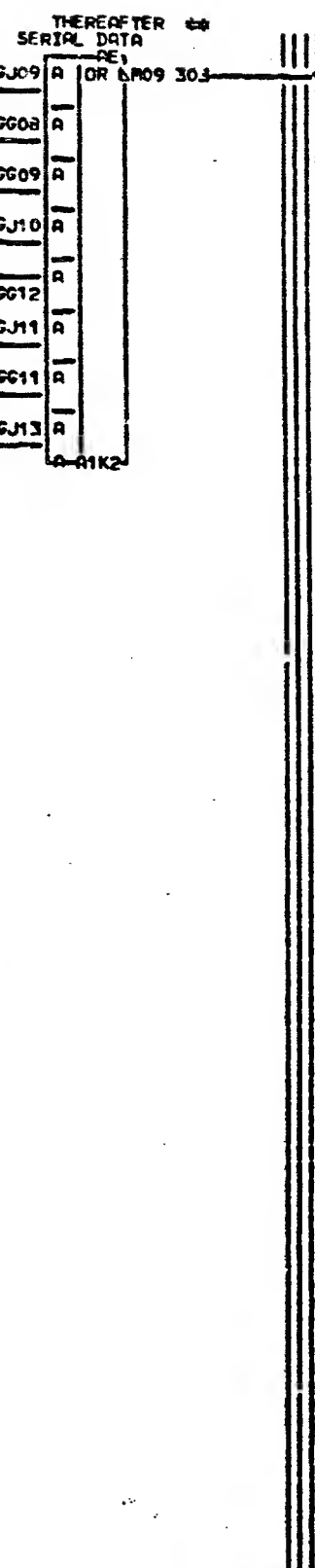
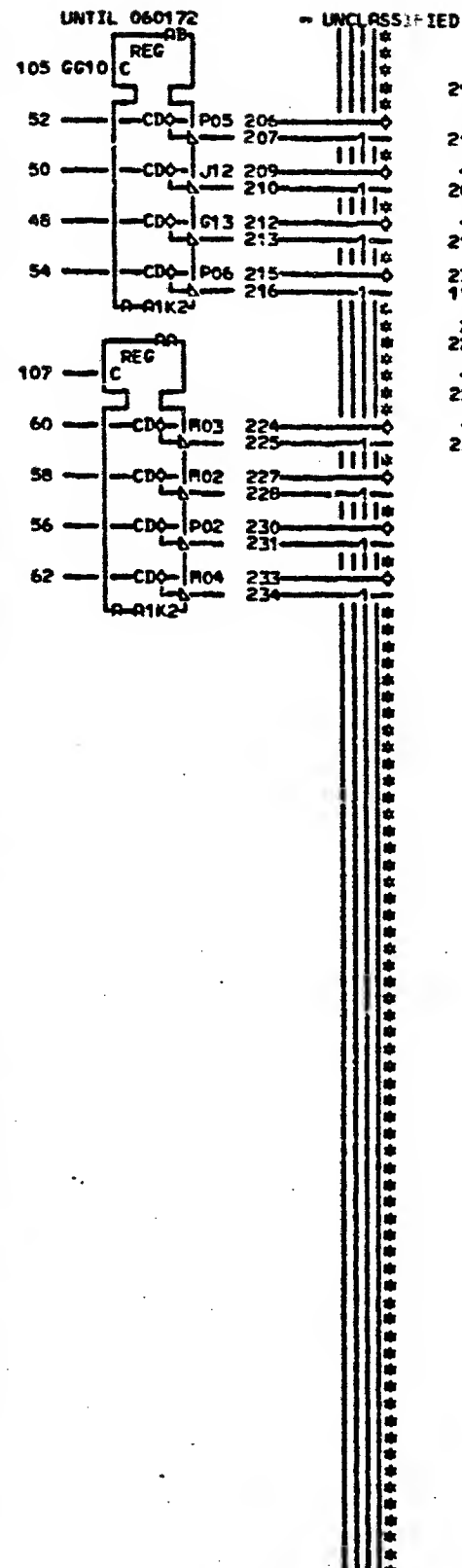
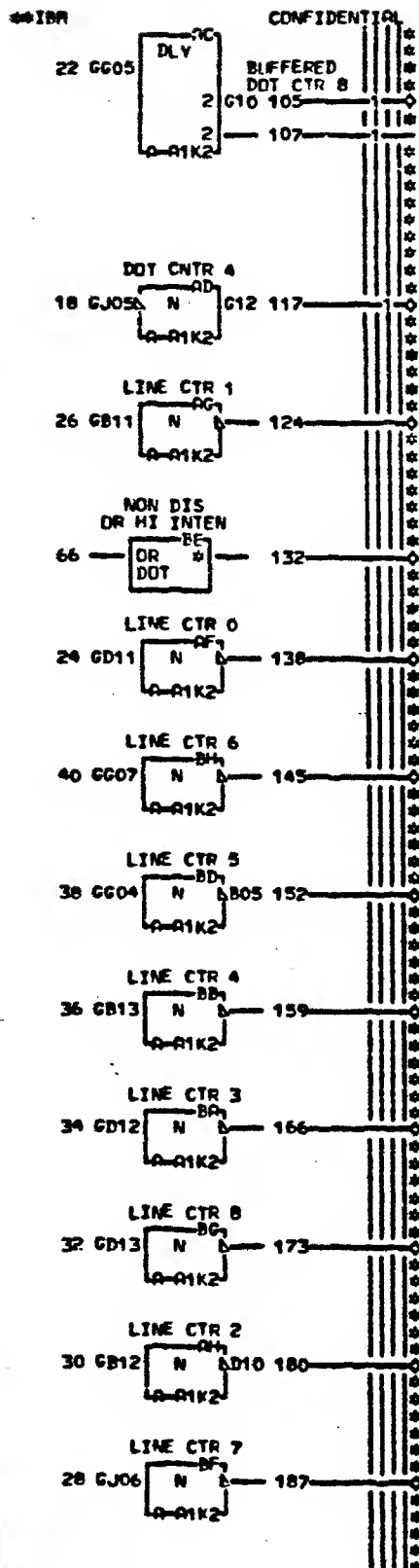
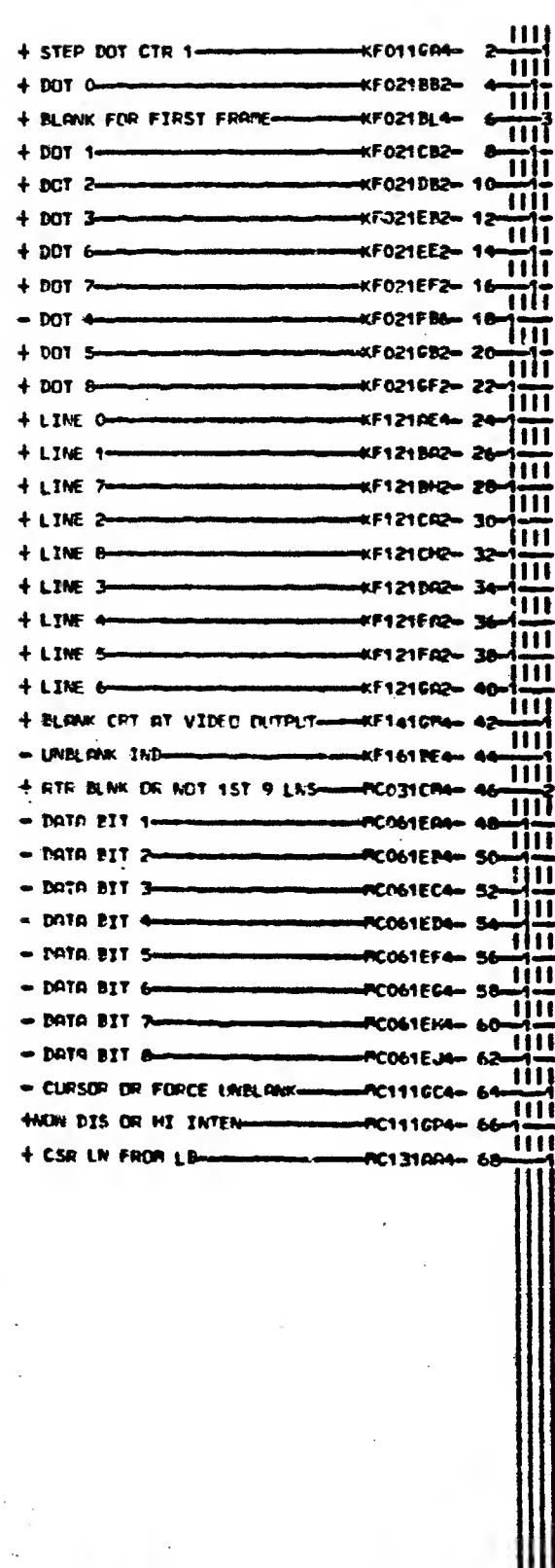


NOTE SEE REFERENCE PAGE
27101 FOR CHARACTER GENERATOR
CARDS
NOTE 2 SEE REFERENCE PAGE
27101 FOR CHARACTER GENERATOR
CARDS
PC061
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LOC. TYPE
A-A1K2 9070

PAGE VER EC LEV
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PC061 000 717492

LINE BUFFER + CHAR. GEN.
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IBM CORP. KN PC061
DATE LAST EC
06-01-72 717492 P.O.N. 1823816 000

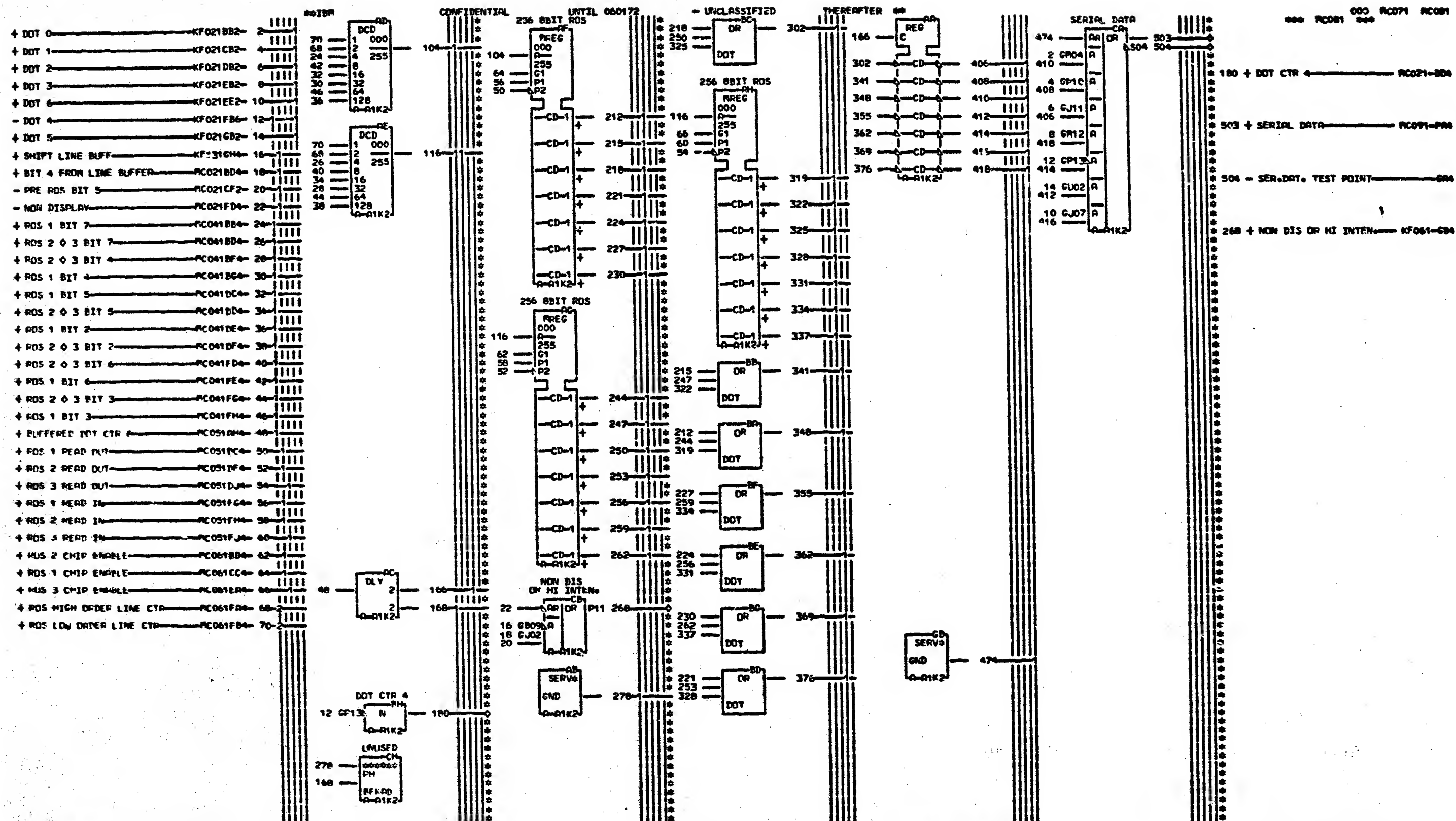


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GENERATOR CARDS.
SIP TO PN 156378A EC 717492
B-1 JTE SEE REFERENCE PAGE
22101 FOR CHARACTER
GENERATOR CARDS.
PC071 SIP TO PN 1563769 EC 717946
PC081
005

LOC. TYPE
A-A1K2 9123

PAGE VER EC LEV
PC071 005 718541
PC081 005 718541

480 + 1920 CHAR. GEN.
KATAKANA OR EXTENDED CHAR SET
E.C. HISTORY B. RACH. 3277
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717946
DATE LAST EC
10-02-72 718541
FRAME 01
IBF CORP. KN
PC071
PC081
005

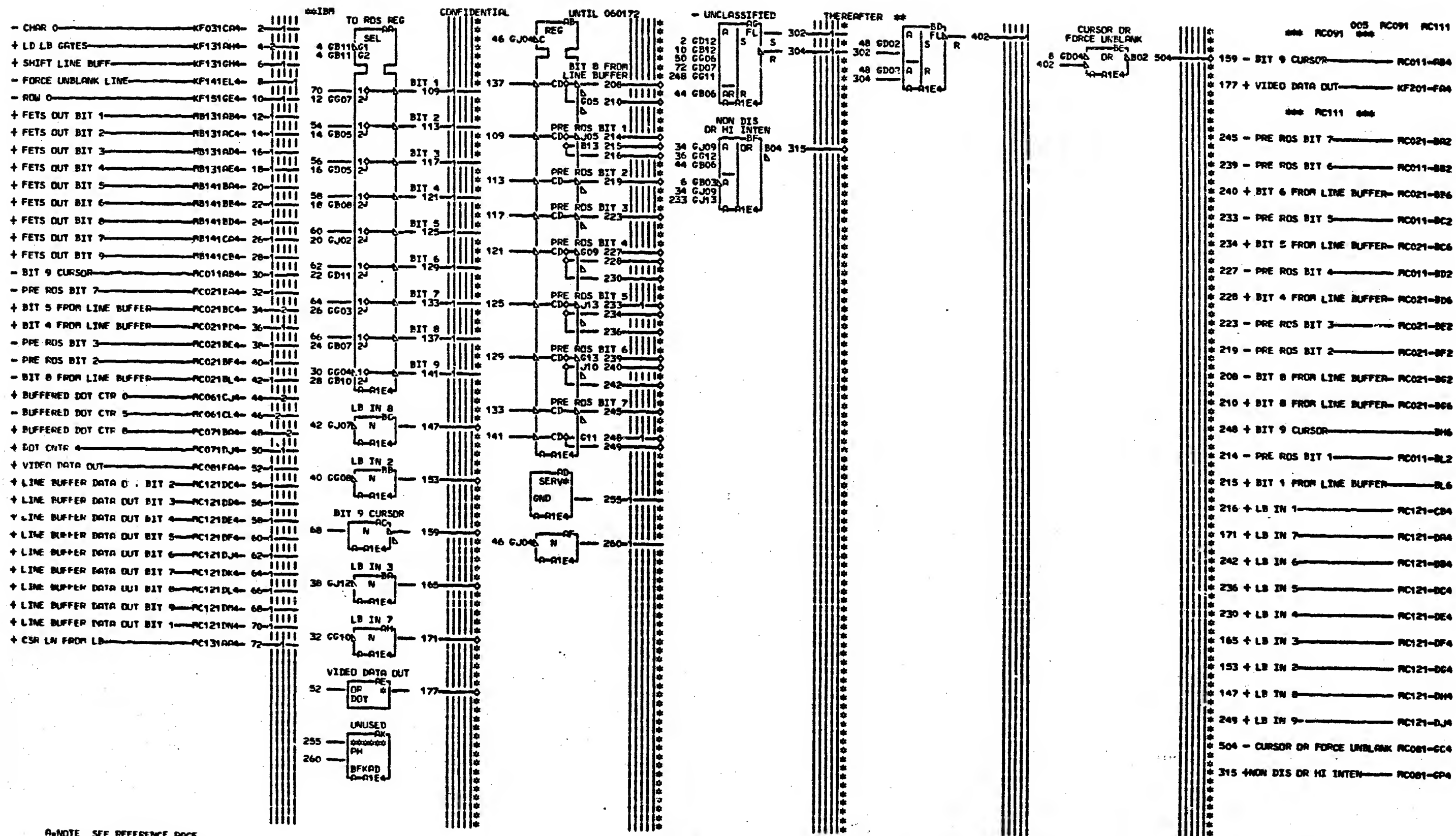


NOTE SEE REFERENCE PAGE
Z2101 FOR CHARACTER GENERATOR
CARDS
NOTE SEE REFERENCE PAGE
Z2101 FOR CHARACTER GENERATOR
CARDS
PC071
PC081
000

LOC. TYPE
A-01K2 9070

PAGE VER EC LEV
PC071 000 717492
PC081 000 717946

LINE BUFFER + CHAR. GEN.			
E.C. HISTORY		B. RACH. 3277	
717473		FRAME	01
717492		IBN CORP. JN	PC081
DATE	LAST EC	P.N.	1823821
08-05-72	717946		000



A. NOTE SEE REFERENCE PAGE 22101 FOR CHARACTER GENERATOR CARDS.
 SIM TO PN 1567790 EC 717946
 B. NOTE SEE REFERENCE PAGE 22101 FOR CHARACTER GENERATOR CARDS.
 PC091
 PC111
 005

LOC. TYPE
 A-1E4 2227

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 PC111 005 717946

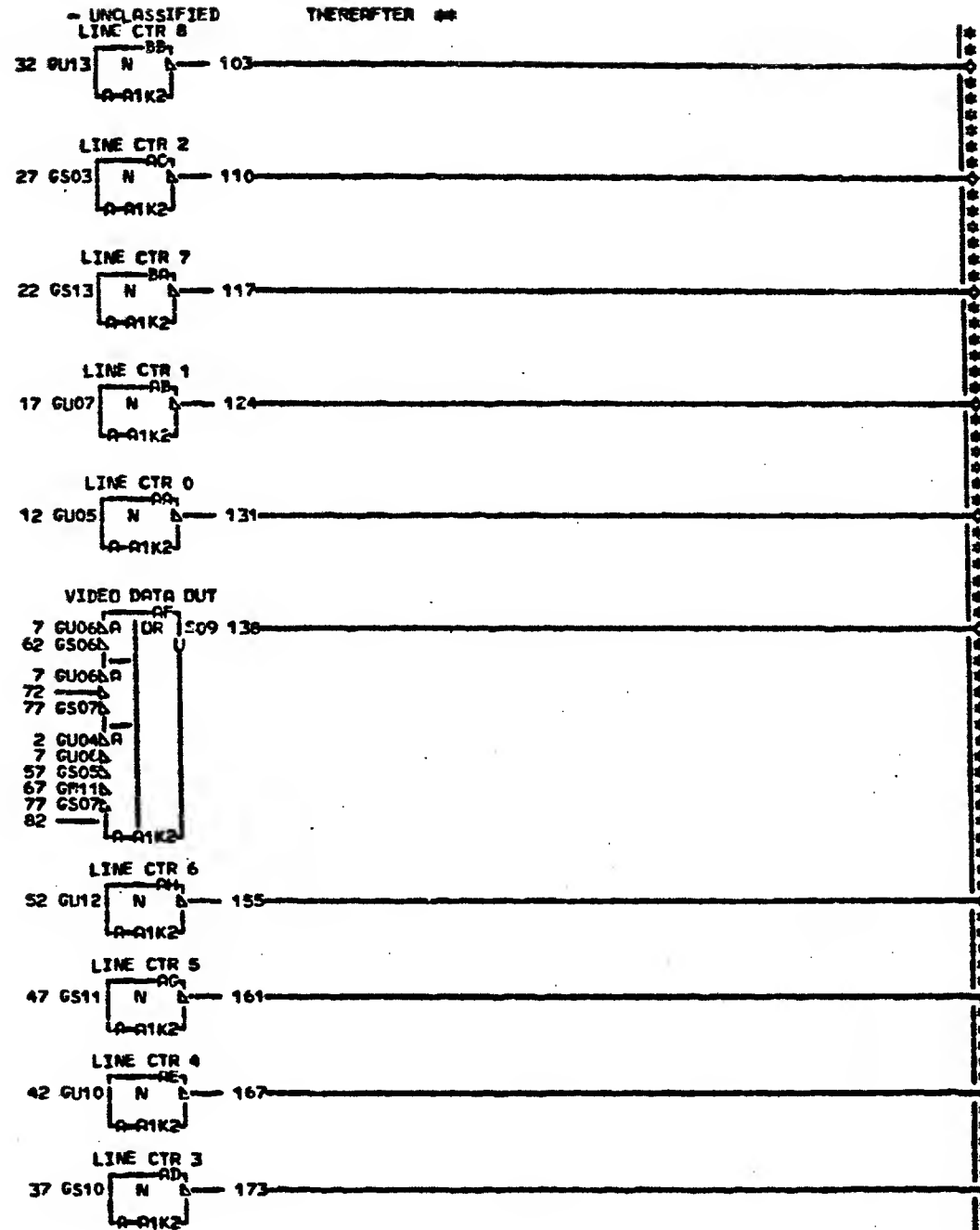
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717473	FRAME 01	PC091
716959		
717492		
DATE LAST EC	IBR CORP. SDD	PC111
06-05-72 717946	P.N. 1823028	005

+ STEP DOT CTR 1 — KF011CA4 — 2—
 + BLANK FOR FIRST FRAME — KF021BL4 — 7—
 + LINE 0 — KF121AE4 — 12—
 + LINE 1 — KF121BA2 — 17—
 + LINE 7 — KF121BH2 — 22—
 + LINE 2 — KF121CA2 — 27—
 + LINE 8 — KF121CH2 — 32—
 + LINE 3 — KF121DC2 — 37—
 + LINE 4 — KF121EA2 — 42—
 + LINE 5 — KF121FA2 — 47—
 + LINE 6 — KF121GA2 — 52—
 + BLANK CRT AT VIDEO OUTPUT — KF141SP4 — 57—
 - UNBLANK I&D — KF161BE4 — 62—
 + CSR LINE — KF181FD4 — 67—
 - CURSOR OR FORCE INBLANK — KC021CC4 — 72—
 + BLANK FOR RETRACE — KC061DA4 — 77—
 + SERIAL DATA — KC081FA4 — 82—

##IBR

CONFIDENTIAL

UNTIL 060172



000 KC091 KC091

131 - LINE CTR 0 — KC061-EE4

124 - LINE CTR 1 — KC061-ED4

110 - LINE CTR 2 — KC061-EE4

173 - LINE CTR 3 — KC061-EF4

167 - LINE CTR 4 — KC061-EG4

136 + VIDEO DATA OUT — KF201-FA4

161 - LINE CTR 5 — KC061-GB4

155 - LINE CTR 6 — KC061-GB4

117 - LINE CTR 7 — KC061-GC4

103 - LINE CTR 8 — KC061-GD4

NOTE SEE REFERENCE PAGE
22101 FOR CHARACTER GENERATOR
CARDS

LDC TYPE
A-R1K2 9070

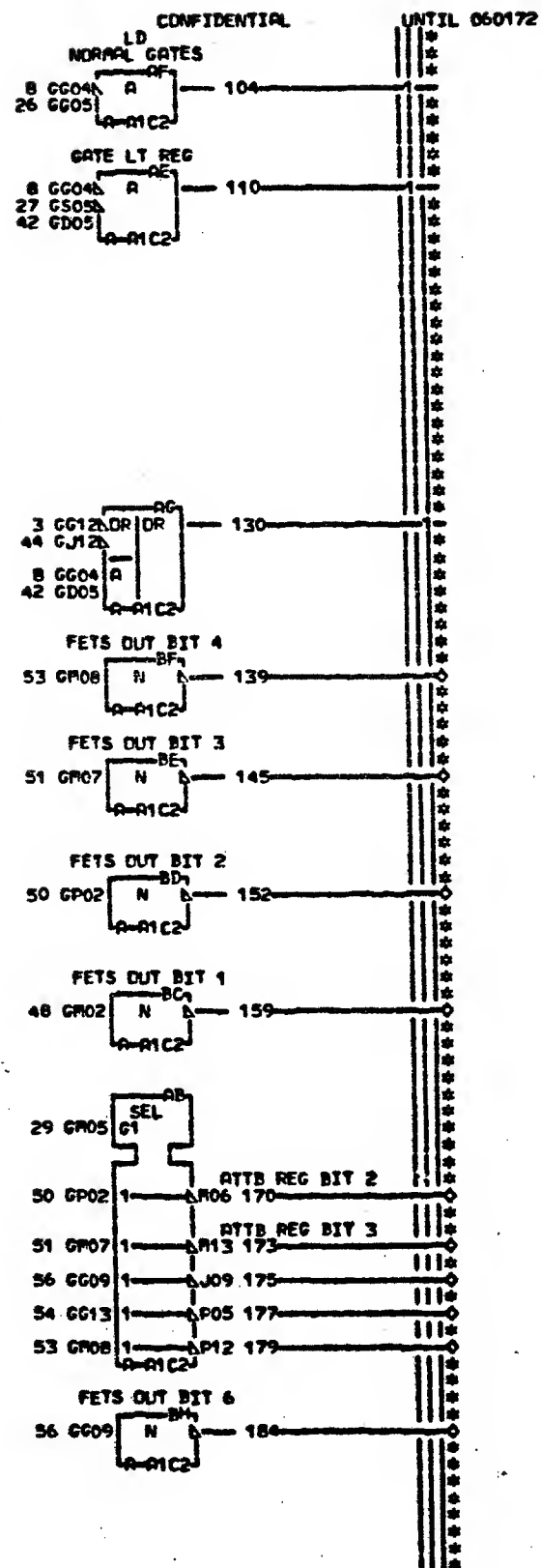
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KC091
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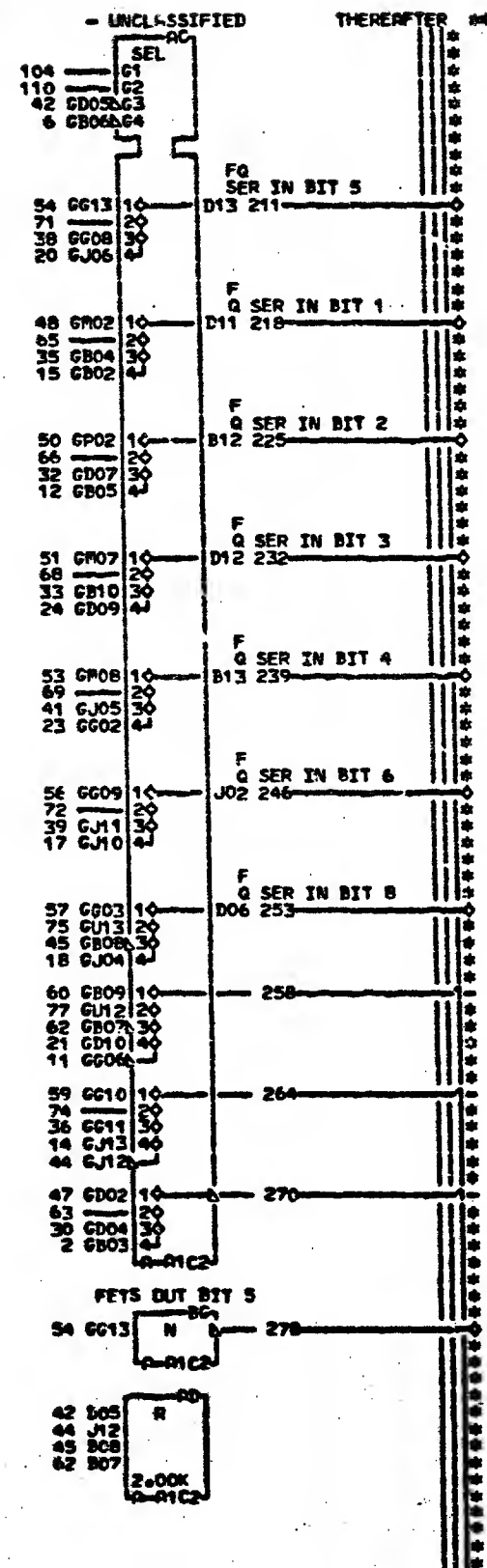
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717492		IBR CORP. KN	KC091
DATE	LAST EC	P.N.	000
08-05-72	717946	1823826	

+ INPUT PARITY PREDICT KA011GK4 2-1-1
 - DELETE RDT BIT 7 KA031GH4 3-1-1
 + LOAD MESSAGE BUFFER KA051FG4 5-1-1
 - LOAD I/O DATA KA071AE4 6-1-1
 + INSERT NULL KA081DB4 8-3-1
 - DELETE CSR BIT 9 KA081DG4 9-1-1
 - INSERT CURSOR NORP KA081EF4 11-1-1
 + SR BIT 6 KA121BH2 12-1-1
 + SR BIT 11 KA121CC2 14-1-1
 + SR BIT 5 KA121CH2 15-1-1
 + SR BIT 10 KA121DC2 17-1-1
 + SR BIT 4 KA121DH2 18-1-1
 + SR BIT 9 KA121EC2 20-1-1
 + SR BIT 3 KA121EH2 21-1-1
 + SR BIT 8 KA121FC2 23-1-1
 + SR BIT 7 KA121GC2 24-1-1
 + NORMAL GATES KF051FH4 26-1-1
 - LOAD LATE REG KF051FJ4 27-1-1
 + LD RTB REG FROM FETS KF131DE4 29-1-1
 + KB P BIT TO RUFF KA021AR4 30-1-1
 + KEYED BIT 2 KAC21BR4 32-1-1
 + KEYED BIT 3 KAC21BS4 33-1-1
 + KEYED BIT 1 KAC21BT4 35-1-1
 + KEYED BIT 7 KAC31EF4 36-1-1
 + KEYED BIT 5 KAC31BG4 38-1-1
 + KEYED BIT 6 KAC31BH4 39-1-1
 + KEYED BIT 4 KAC31BJ4 41-1-1
 - LD KB TO FETS KA111AR4 42-2-1
 - RDT LD BIT 7 KA121AC4 44-1-1
 + FETS OUT BIT 0 KA131AA4 47-1-1
 + FETS OUT BIT 1 KA131AB4 48-1-1
 + FETS OUT BIT 2 KA131AC4 50-1-1
 + FETS OUT BIT 3 KA131AD4 51-1-1
 + FETS OUT BIT 4 KA131AE4 53-1-1
 + FETS OUT BIT 5 KA141BA4 54-1-1
 + FETS OUT BIT 6 KA141BB4 56-1-1
 + FETS OUT BIT 7 KA141CA4 59-1-1
 + FETS OUT BIT 9 KA141CD4 60-1-1
 + FETS OUT BIT 8 KA141CB4 57-1-1
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 + FETS OUT BIT 9 KA141CD4 60-1-1
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 + LATE REG BIT 2 PC051EC2 66-1-1
 + LATE REG BIT 3 PC051ED2 68-1-1
 + LATE REG BIT 4 PC061CA2 69-1-1
 + LATE REG BIT 5 PC061CB2 71-1-1
 + LATE REG BIT 6 PC061CD2 72-1-1
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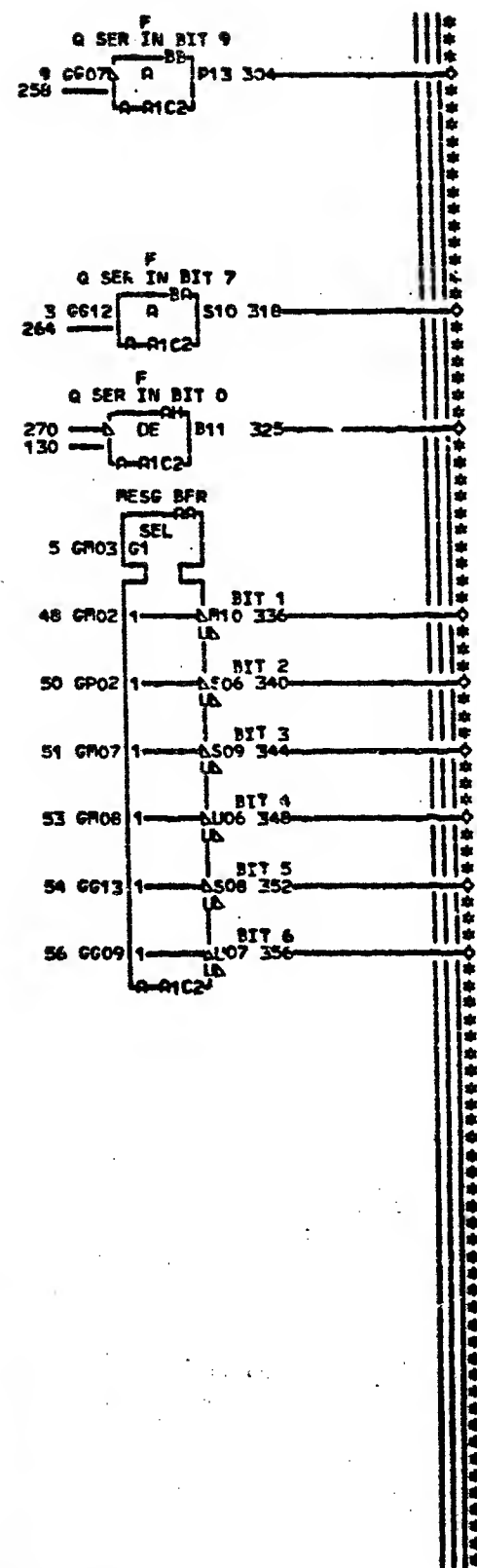
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LOC. TYPE
A-1C2 9066



PAGE VER EC LEV
 PG011 001 717492
 PG021 001 717492
 PG031 000 717473

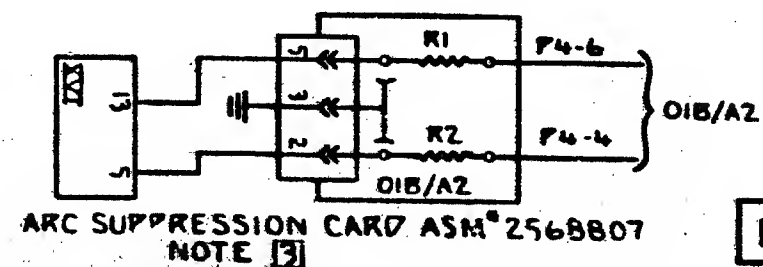
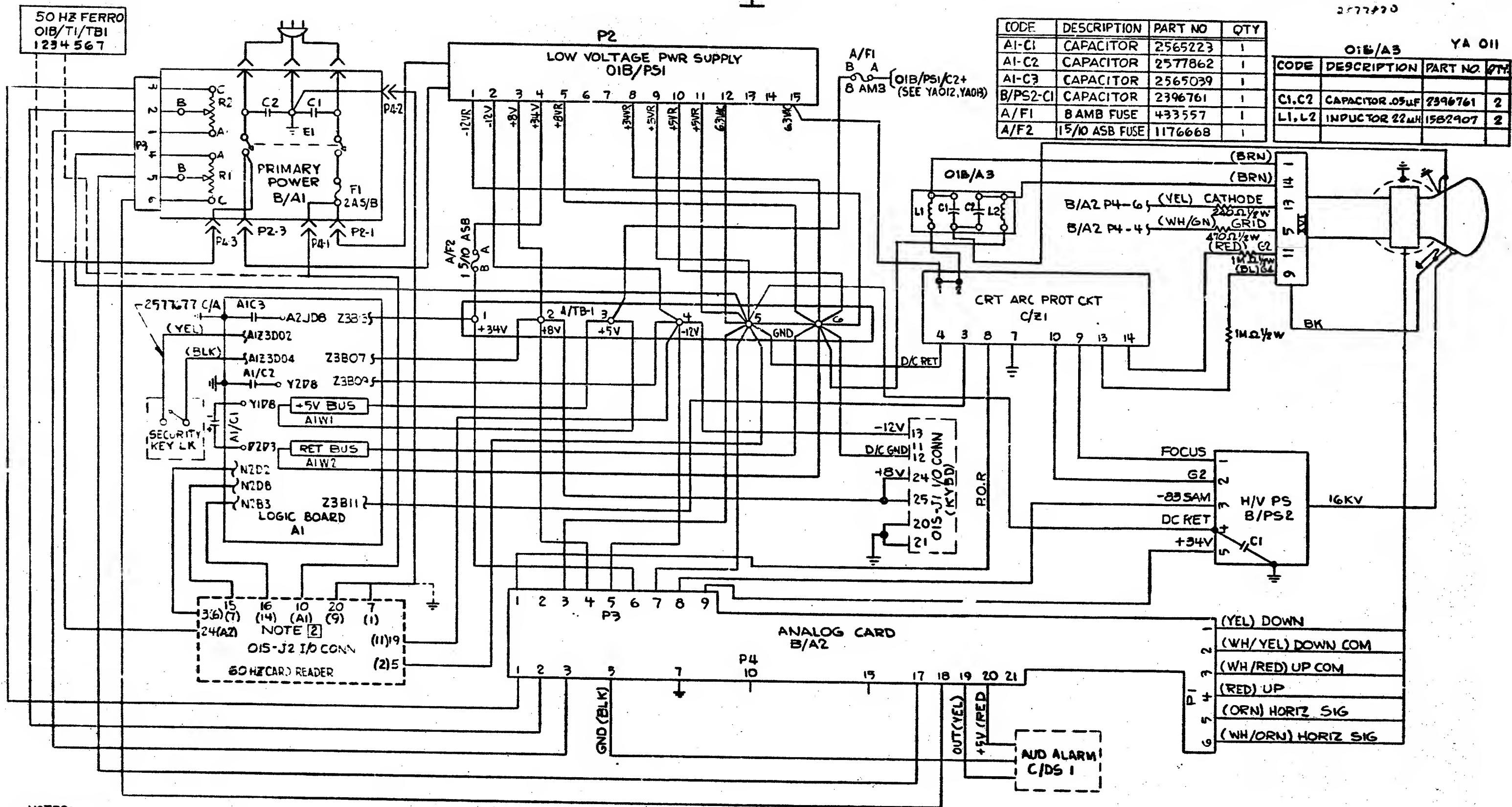


PG011 001 PG011 PG031
 218 + F Q SER IN BIT 1 AB011-ED4
 225 + F Q SER IN BIT 2 AB011-EG4
 232 + F Q SER IN BIT 3 AB011-EJ4
 239 + F Q SER IN BIT 4 AB011-EL4
 325 + F Q SER IN BIT 0 AB011-GC4
 PG021 000
 211 + F Q SER IN BIT 5 AB021-FB4
 246 + F Q SER IN BIT 6 AB021-FD4
 253 + F Q SER IN BIT 8 KRI21 AB021
 318 + F Q SER IN BIT 7 KRI21 AB021
 304 + F Q SER IN BIT 9 AB021-GL4
 PG031 000
 159 - FETS OUT BIT 1 KRG041 KRG051
 152 - FETS OUT BIT 2 KRG041 KRG051
 145 - FETS OUT BIT 3 KRG041 KRG051
 139 - FETS OUT BIT 4 KRG041 KRG061
 278 - FETS OUT BIT 5 KRG041 KRG061
 184 - FETS OUT BIT 6 KRG041 KRG061
 336 - RESG BFR BIT 1 KRI11-BD4
 340 - RESG BFR BIT 2 KRI11-BB4
 344 - RESG BFR BIT 3 KRI11-BC4
 348 - RESG BFR BIT 4 KRI11-BD4
 352 - RESG BFR BIT 5 KRI11-BE4
 356 - RESG BFR BIT 6 KRI11-BF4
 170 - RTTB REG BIT 2 KF071-CA4
 173 - RTTB REG BIT 3 KF071-CA4
 179 - RTTB REG BIT 4 CD4
 177 - RTTB REG BIT 5 CE4
 175 - RTTB REG BIT 6 CF4

BOSIA TO PN 1563742 EC 717473

PG011
 PG031
 001

I/O GATING AND PARITY	
E.C. HISTORY 717473	S. RACH-3277
DATE LAST EC 06-01-72 717492	FRAME 01 IBM CORP. KN P.O. 1823835 001



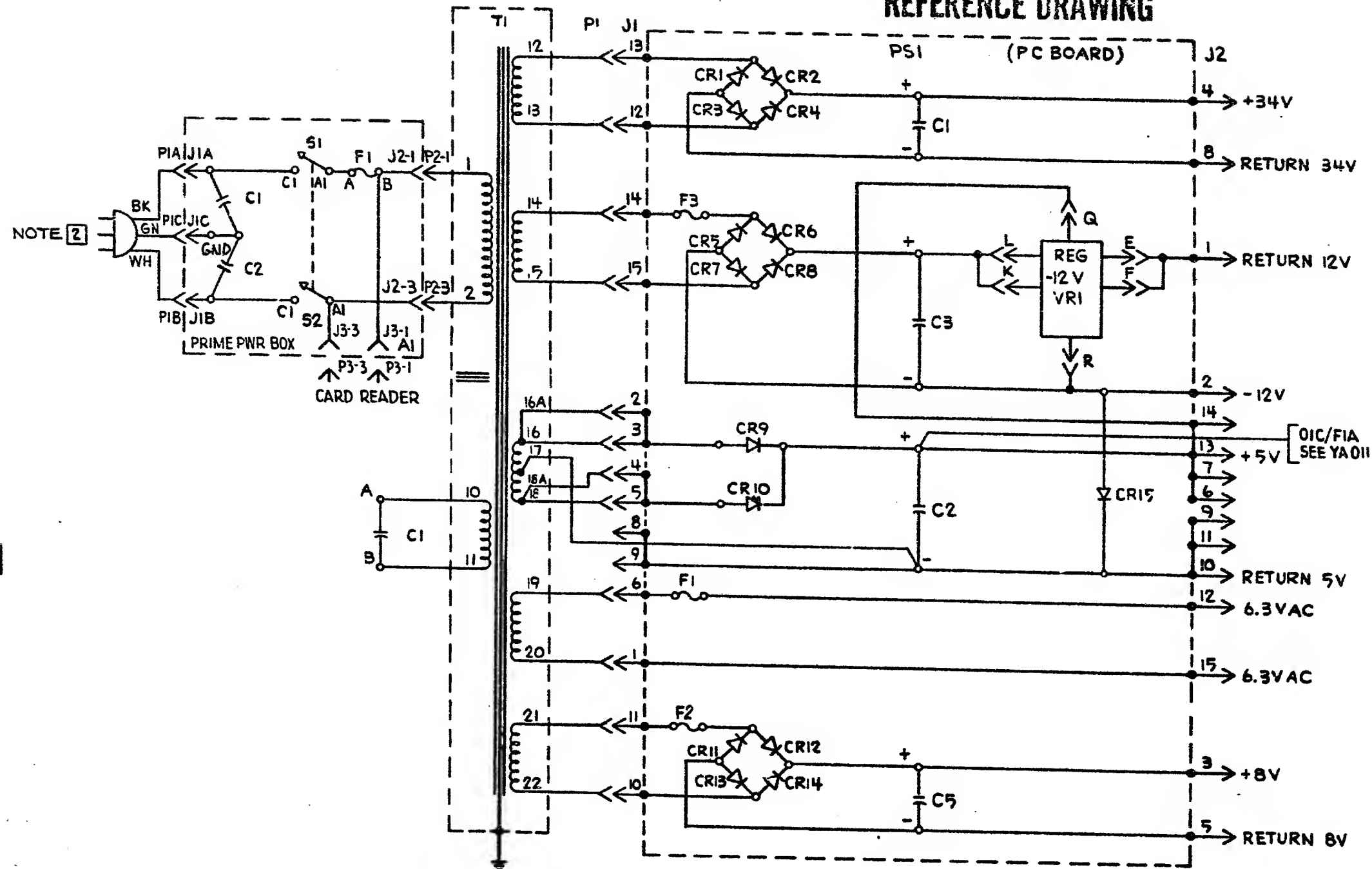
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SEE EC HISTORY	DRAWING TITLE
2JG73 733401	POWER DIST
MAR74 739992	MACH
3FEB75 741722	PART NO 2577870
MAY75 741690	CLASSIFICATION

IBM



REFERENCE DRAWING



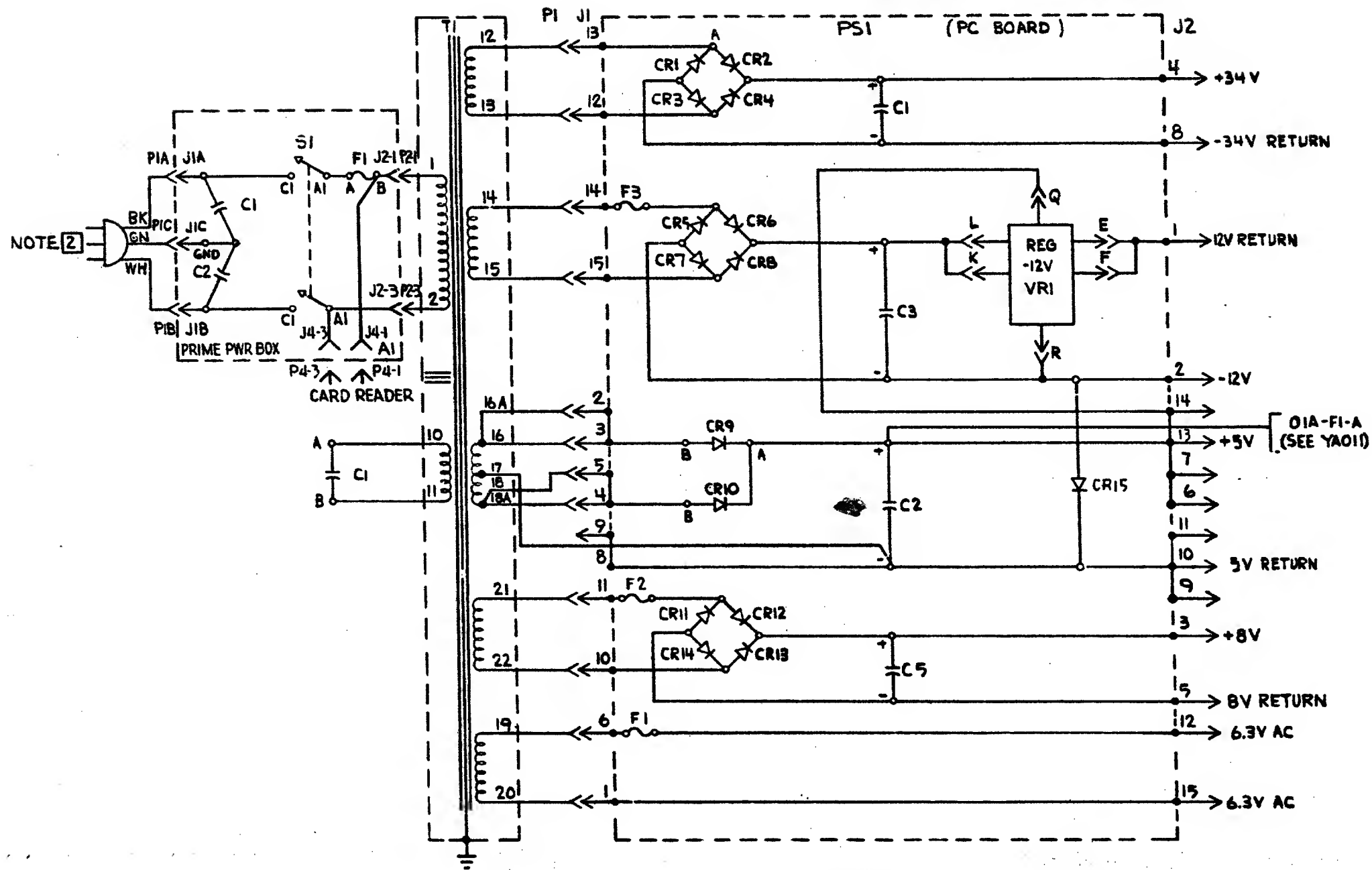
CODE	DESCRIPTION	PART NO	
PSI	PRINTED CIRCUIT BOARD ASM	2481185	
VRI	REGULATOR CARD-12V	2481207	
PSIC1	CAPACITOR, 7.2K μ F 40V	5712125	
PSIC2	CAPACITOR, 240K μ F 75V	5252526	
PSIC3	CAPACITOR, 3.1K μ F 25V	483107	
PSIC5	CAPACITOR, 60K μ F 10V	5252514	
AIC1 & AIC2	CAPACITOR, FILTER .01 μ F	737805	
CI	CAPACITOR, 4 μ F 660VAC	2582939	
CR1-CR8 CR15	DIODE, 1 AMP 180V	5214324	
CR9 & CR10	DIODE, 10 AMP 150V	598479	
CR11-CR14	DIODE, 3 AMP 100V	1149212	
AIF1, PSIF1	FUSE, 2 AMP SB 125 V	332009	
PSIF2	FUSE, 5 AMP SB 125 V	512137	
PSIF3	FUSE, 2 AMP SB 125 V	332009	
SI & S2	SWITCH, 10 AMP 125/250V	5252566	
TI	FERRO, 60 HZ	NOTE [2]	

NOTES

- 1 ALL POWER UNITS IN OLD/ZONE
2 THIS WIRING DIAGRAM PERTAINS TO 115 VAC 1Ø 60HZ UNITS (FERRO P/N 2582999), OR
100VAC 1Ø 60HZ JAPAN UNITS (FERRO P/N 4119307).

EC HISTORY		DRAWING TITLE	
SEE EC HISTORY		CKT. DIAG. 19C DISPL. UNIT 60HZ	
16 JUL 75	739021	MACH	
3 FEB 75	741722	PART NO 2481235	
D		CLASS.FICATION	IBM CORP
		10 11 16 75 1400 OCT 75	

REFERENCE DRAWING



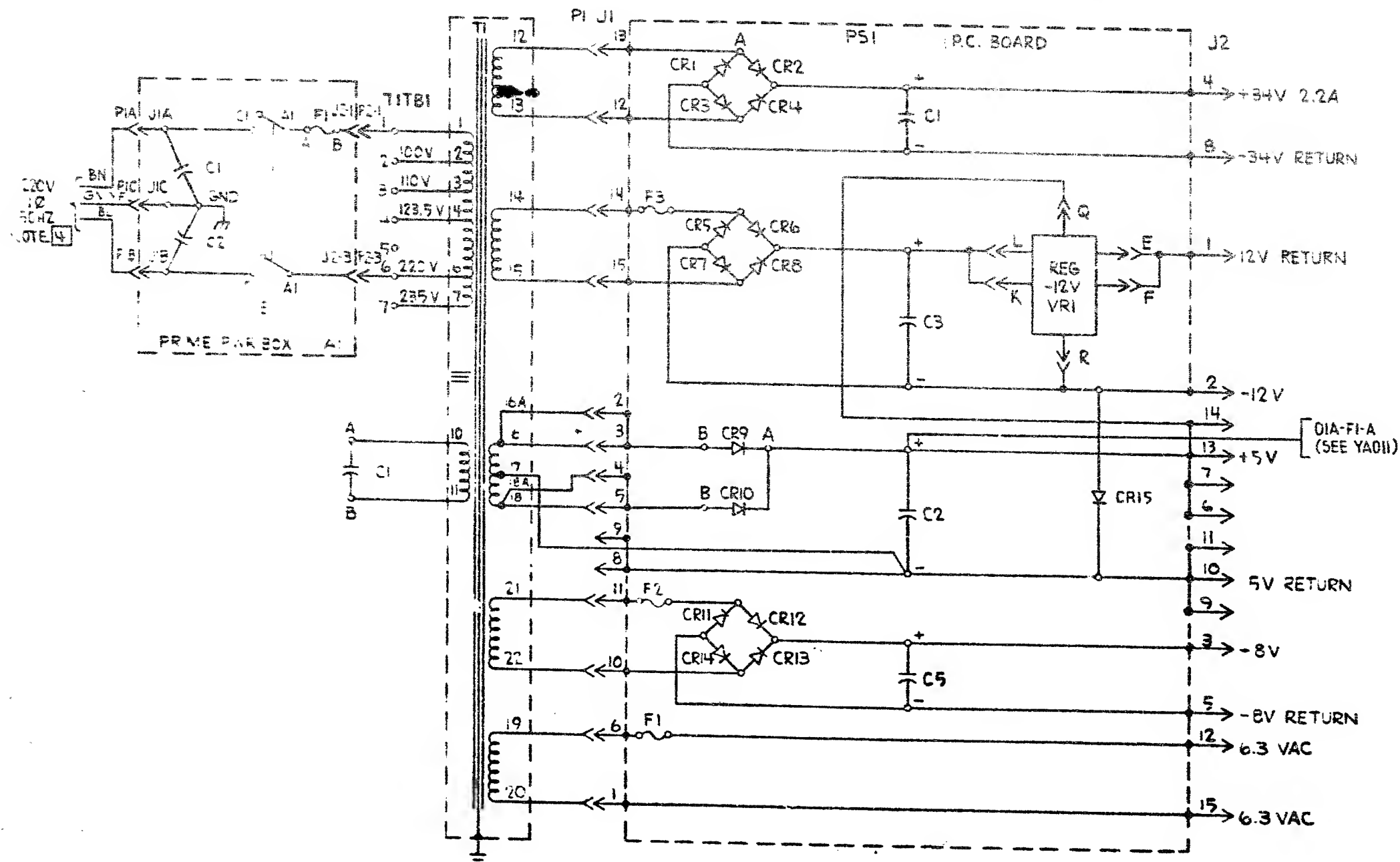
CODE	DESCRIPTION	PART NO
PSI	PRINTED CIRCUIT BOARD ASM	2481185
VR1	REGULATOR CARD -12V	2481207
PSIC1	CAPACITOR 7.2K μ F 40V	5712125
PSIC2	CAPACITOR 240K μ F 7.5V	5252526
PSIC3	CAPACITOR 3.1K μ F 25V	483107
PSIC5	CAPACITOR 60K μ F 10V	5252514
AIC1&AIC2	CAPACITOR, FILTER .01 μ F	737805
C1	CAPACITOR AC 4 μ F 660VAC	2522939
CR1-CR8, CR15	DIODE 1AMP 180V	5214324
CR9&CR10	DIODE 10AMP 150V	598479
CR11-CR14	DIODE 3AMP 100V	1149212
AIF1, PSIF1	FUSE 2AMP SB 125V	332009
PSIF2	FUSE 5AMP SB 125V	512137
PSIF3	FUSE 2AMP SB 125V	332009
SI	SWITCH	5252626
TI	FERRO, 60HZ	NOTE 2

NOTES

- 1 ALL POWER UNITS IN 01D/ ZONE
- 2 THIS WIRING DIAGRAM PERTAINS TO 115VAC 1 ϕ 60HZ UNITS (FERRO P/N 2582999), OR 100VAC 1 ϕ 60HZ JAPAN UNITS (FERRO P/N 4119307).

EC HISTORY		DRAWING TITLE	
SEE EC	HISTORY	5YS DIAG 48C DISPL UNIT 60HZ	
16 JUL 73	739 021	MACH	
3 FEB 75	741722	PART NO 2481234	
		CLASSIFICATION	
		IBM CORP	

REFERENCE DRAWING



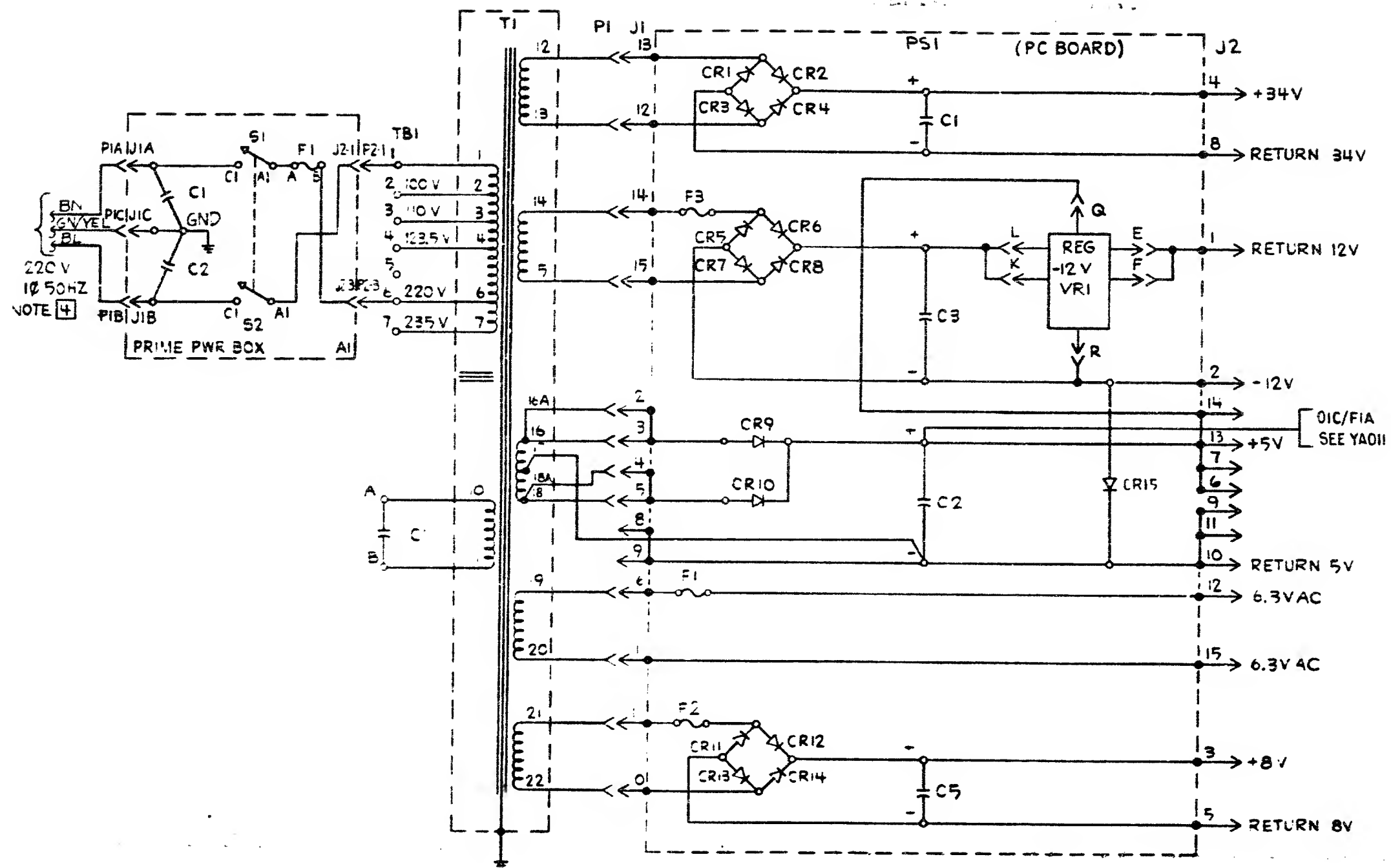
CODE	DESCRIPTION	PART NO
PS1	PRINTED CIRCUIT BOARD PSW	248109
VRI	REGULATOR CARD - 2V	2481207
PSIC1	CAPACITOR 72K UF 40V	5712125
PSIC2	CAPACITOR 240K UF 7.5V	5252526
PSIC3	CAPACITOR 3.1K UF 25V	483107
PSIC5	CAPACITOR 60K UF 10V	5252514
AC1EAC2	CAPACITOR FILTER .01UF	37805
C1	CAPACITOR 40 -UF 660VAC	2582939
CR1-CR8 CR15	DIODE 1AMP 180V	5214324
CR9&CR10	DIODE 2AMP 150V	598479
CR11-CR14	DIODE 3AMP 100V	1149212
PSIF1	FUSE 2AMP SB125 V	332009
PSIF2	FUSE 5AMP SB 125 V	512137
PSIF3	FUSE 2AMP SB125 V	332009
AIF1	FUSE 1AMP SB 250 V	NOTE 2
	FUSE 2AMP SB 125 V	NOTE 3
SI	SWITCH	5252626
TI	FERRO, 5CHZ	4119272

NOTES

- 1 ALL POWER UNITS IN O1D/ZONE
 2 FUSE 303549 IS REQUIRED WHEN THE UNIT IS WIRED FOR 220V OR 235 V
 3 FUSE 332009 IS REQUIRED WHEN THE UNIT IS WIRED FOR 200V, 110V OR 123.5 V

- 4 THE INPUT COLOR CODING FOR 100 VAC 10 50HZ JAPAN UNITS IS BK, WH, GN/YEL

EC HISTORY	DRAWING TITLE
10 OCT 71 716727	SYS DIAG 48C (NSPL UNIT 50HZ)
5 MAY 72 717675	MACH
9 FEB 73 738312	PART NO 2481238
16 JUL 73 739021	CLASSIFICATION
3 FEB 75 741722	DATE 1/4/75



NOTES

- 1 ALL POWER UNITS IN OID/ZONE
- 2 FUSE 303549 IS REQUIRED WHEN THE UNIT IS WIRED FOR 220V OR 235V
- 3 FUSE 332009 IS REQUIRED WHEN THE UNIT IS WIRED FOR 100V, 110V, OR 123.5V

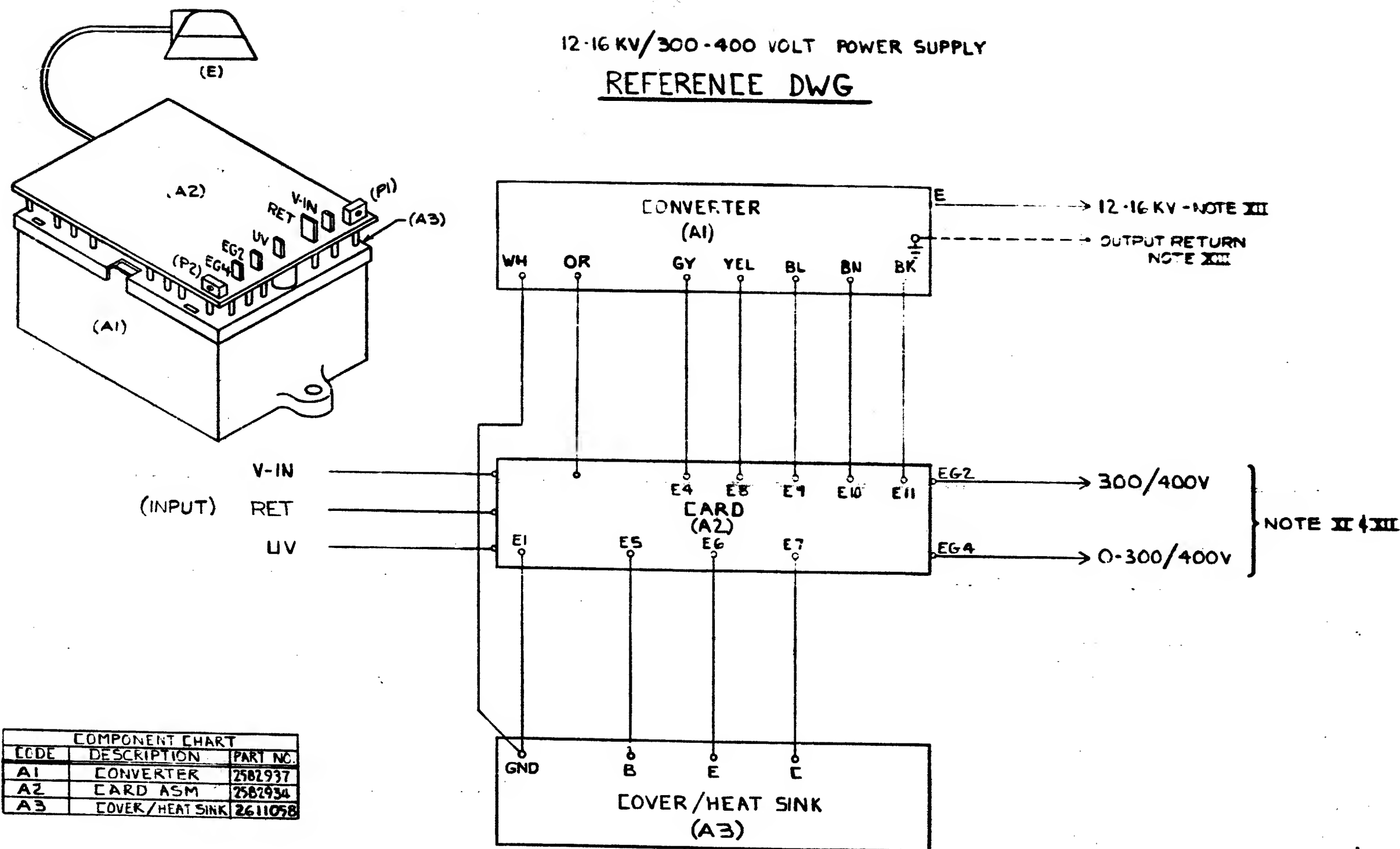
- 4 THE INPUT CABLE COLOR CODING FOR 100VAC 10 50HZ JAPAN UNITS IS BK,WH,GN/YEL

CODE	DESCRIPTION	PART NO
PS1	PRINTED CIRCUIT BOARD ASM	2481185
VR1	REGULATOR CARD -12V	2481207
PSIC1	CAPACITOR, 7.2K UF 40V	5712125
PSIC2	CAPACITOR, 240K UF 7.5V	5252526
PSIC3	CAPACITOR, 3.1K UF 25V	483107
PSIC5	CAPACITOR, 60K UF 10V	5252514
AIC1 & AIC2	CAPACITOR, FILTER .01UF	737805
C1	CAPACITOR, 4UF 660VAC	2582939
CR1-CR8, CR15	DIODE, 1AMP 180V	5214324
CR9 & CR10	DIODE, 10AMP 150V	598479
CR11-CR14	DIODE, 3AMP 100V	449212
PSIF1	FUSE, 2AMP SB 125 V	332009
PSIF2	FUSE, 5AMP SB 125 V	512137
PSIF3	FUSE, 2AMP SB 125 V	332009
AIF1	FUSE, 1AMP SB 250 V	NOTE 2
	FUSE, 2AMP SB 125 V	NOTE 3
S1 & S2	SWITCH, 10AMP 125/250V	5252566
T1	FERRO, 50 HZ	4119272

EC HISTORY		DRAWING TITLE	
SEE EC	HISTORY	CKT DIAG 19C DISPL UNIT 50HZ	
16 JUL 79	739021	MACH	
3 FEB 75	741722	PART NO 2481236	
D		CLASSIFICATION	IBM
		DATE 1/5/79	DATE 1/5/79

12-16 KV/300-400 VOLT POWER SUPPLY

REFERENCE DWG



NOTE:

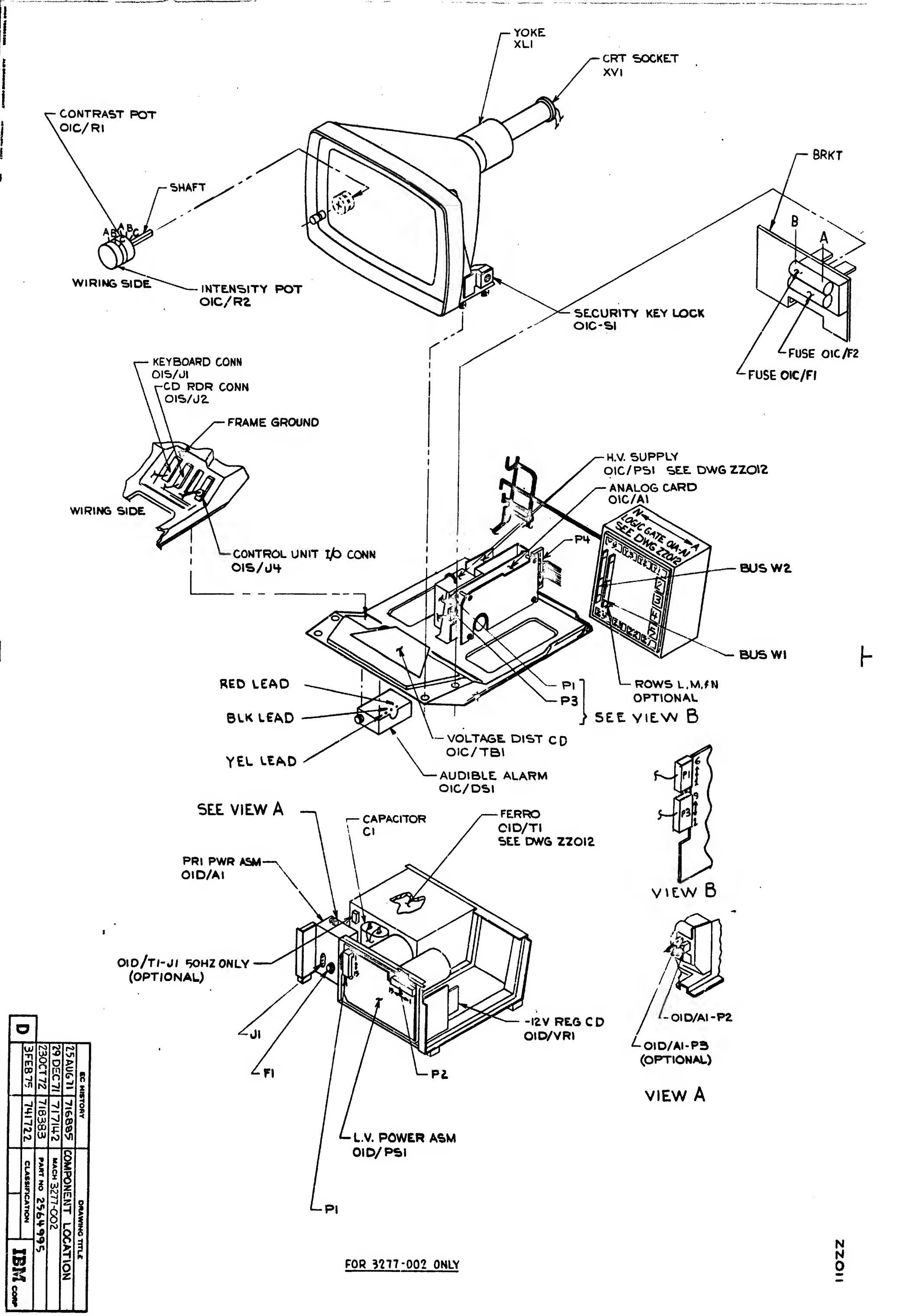
- X THIS SUPPLY IS NOT TO BE REPAIRED IN THE FIELD
- XI EXTERNAL SUPPRESSION NETWORKS MUST BE PROVIDED BY USER TO PREVENT SUPPLY DAMAGE IN CASE OF THE LOAD (CRT) ARCING BETWEEN THE HIGH & LOW VOLTAGE LEVELS

- XII P1-HIGH VOLTAGE ADJUSTMENT (12-16KV)
- DO NOT FIELD ADJUST.
- P2-EG4 VOLTAGE ADJUSTMENT (0-300/400V)
- FOCUS ADJUSTMENT.
- XIII OUTPUT RETURN PATH IS THRU CHASSIS OF SUPPLY. CONVERTER CASE MUST BE GROUNDED

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RELEASED FOR ASM 2611025(REF.)

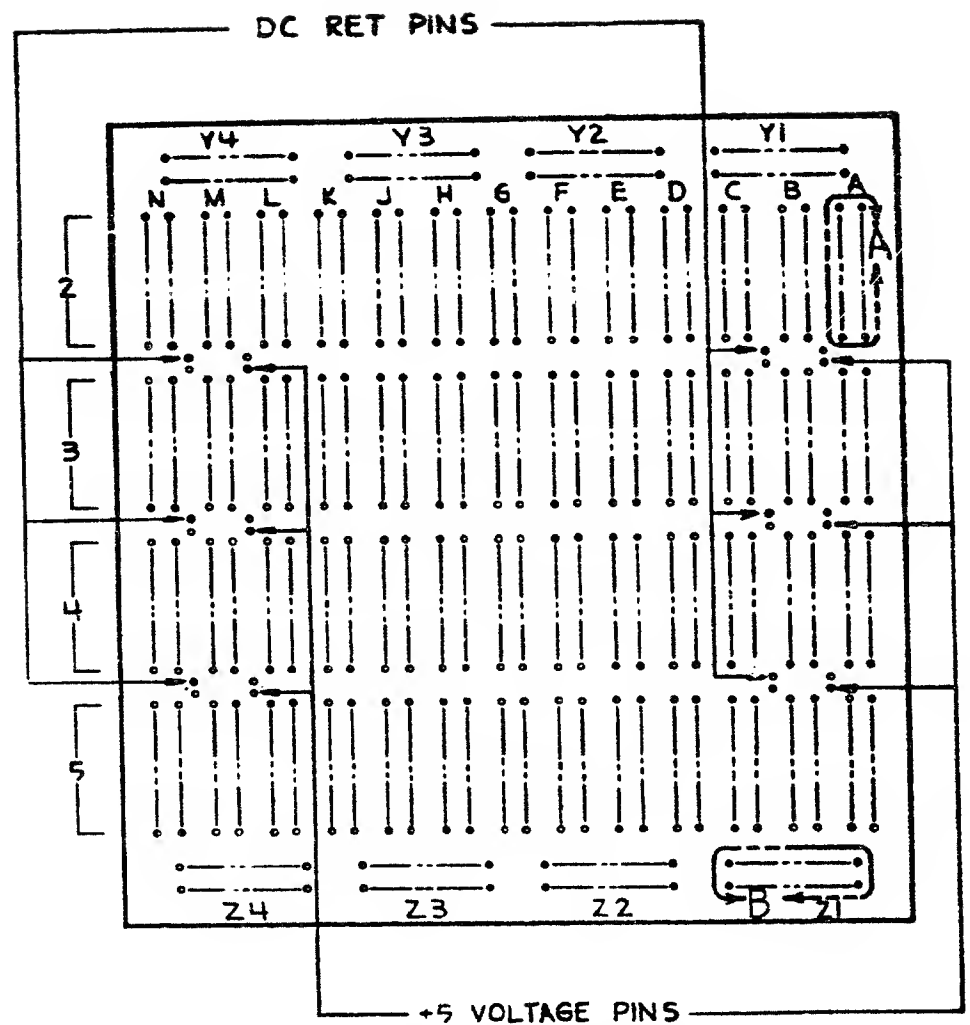
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3 OCT 72	718306	SYSTEMS DIAGRAM	
29 OCT 72	718307	MACH	
11 JAN 73	738051	PART NO 2611043	
D		CLASSIFICATION	IBM corp
		10-1043	



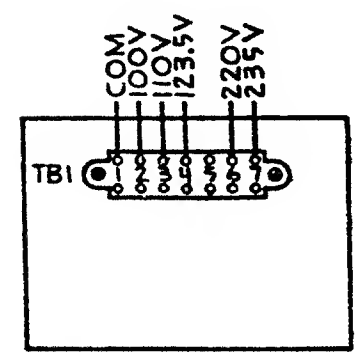
D		SC HISTORY		DRAWING TITLE	
25 AUG 71	716885	COMPONENT LOCATION			
29 DEC 71	717142	MACH 3277-002			
23 OCT 72	718383	PART NO 2564995			
3 FEB 75	741722	CLASSIFICATION			
IBM		CORP			

FOR 3277-002 ONLY

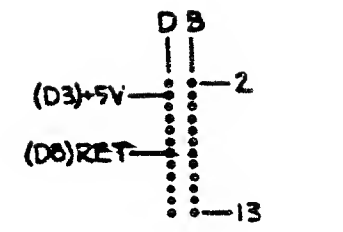
ZZ011



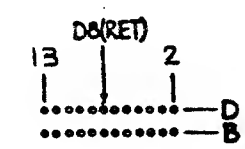
2/3 BD PIN SIDE LAYOUT



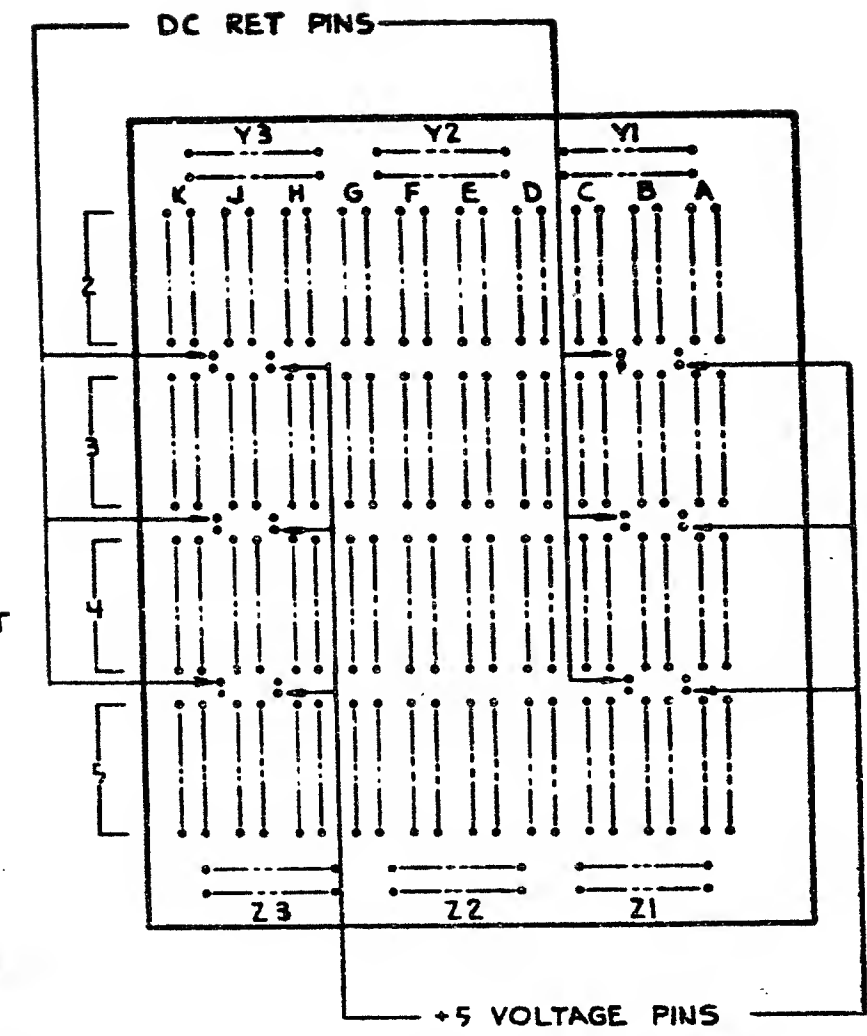
50 HZ FERRO
SEE ZZ 011



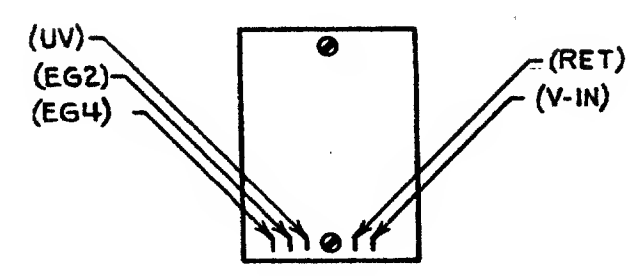
DETAIL A
VERTICAL SOCKET
TYP PIN LAYOUT



DETAIL B
HORIZONTAL SOCKET
TYP PIN LAYOUT



1/2 BD PIN SIDE LAYOUT



HV SUPPLY
(CABLE SIDE)
SEE ZZ 011

EC HISTORY		DRAWING TITLE	
25 AUG 71	716885	COMPONENT LOCATION	
29 DEC 71	717142	MACH 3275 # 3277	
7 AUG 72	715098	PART NO 2564993	
D		CLASSIFICATION	IBM CORP

22012

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TABLE 1
CHARACTER GENERATOR CARD
THE FOLLOWING LIST DESCRIBES THE PART NUMBER
CARD TO BE IN THE A-A1 K2 CARD SOCKET DEPENDING
ON THE FEATURE OR RPQ REQUIRED:

MACHINE TYPE	LANGUAGE	CARD TYPE	LATEST P/N (852)	EQUIVALENT P/N (852)
MOD I MONO CASE	U.S. ENGLISH	9058	4302	0576
	USAC II A	9103	4305	0584
	USAC II B	9104	4306	0585
	U.K. ENGLISH	9102	4304	0583
	GERMAN	9101	4303	0582
	SWD/FIN	W068	4307	1455
	NOR/DEN	W069	4308	1456
	SPANISH	W070	4309	1457
	PORT/BRAZIL	W072	4311	1459
MOD II MONO CASE	U.S. ENGLISH	9070	4289	0577
	USAC II A	9098	4292	0580
	USAC II B	9099	4293	0581
	U.K. ENGLISH	9097	4291	0579
	GERMAN	9096	4290	0578
	SWD/FIN	W075	4294	1462
	NOR/DEN	W076	4295	1463
	SPANISH	W077	4296	1464
	PORT/BRAZIL	W079	4298	1466
MOD I & II DUAL CASE	U.S. ENGLISH	4710	1708	-----
	U.K. ENGLISH	4711	1709	-----
	KATA KANA	9123	1707	-----
	AUS/GER	4712	1710	-----
	BEL/FRANCE	4713	1711	-----
	DEN/NOR	X415	1854	-----
	FIN/SWD	X416	1855	-----
	ITALY	X417	1858	-----
	SPANISH	X418	1859	-----
	PORT/BRAZIL	X419	1857	-----

- NOTES
- 1 THE "LATEST" P/N IS INTERCHANGEABLE FOR THE "EQUIVALENT" P/N, BUT THE "EQUIVALENT" IS NOT INTERCHANGEABLE FOR THE "LATEST"
 - 2 EQUIVALENT PART NO. ARE INTERCHANGEABLE

TABLE 2
INTERCHANGEABLE CARDS
THE FOLLOWING CARDS CAN BE USED INTERCHANGEABLY
ONLY THE LATEST P/N IS SHOWN IN THE LOGIC. THESE
CARDS ARE IDENTICAL IN LOGIC

TYPE NO.	LATEST P/N	EQUIVALENT P/N	EQUIVALENT P/N
9067	8522836	8522014	-----
9068	8523664	8522151	8522109
L514	8527302	8522013	-----
9069	8524282	8522852	-----
9069	-----	8524282	8523647
9072	8527296	8522001	-----
9072	8527296	8523633	8523616
9066	8523648	8521992	-----
9071	8524604	8523649	-----
9071	8524604	8523617	-----
9071	8524604	8522825	8521781

- NOTE 1
- NOTES 1 & 2
- NOTE 1
- NOTE 1
- NOTE 2
- NOTE 1
- NOTE 2
- NOTE 1
- NOTE 1
- NOTE 1
- NOTES 1 & 2

TABLE 3
KEYBOARD FEATURE JUMPER
THE FOLLOWING LIST DESCRIBES THE JUMPERS REQUIRED ON
THE A-A1 BOARD DEPENDING ON THE PARTICULAR KEYBOARD
CONFIGURATION. THESE JUMPERS ARE NO. 30 BLACK WIRE (P/N 811695)

FEATURE NAME	FEATURE B/M	JUMPER REQUIRED
KATAKANA LANG	2568804	ADD A2B06 TO A2D08 B4B13 TO B3D08
NUMERIC LOCK FOR: U.S. ENGLISH U.K. ENGLISH KATAKANA	2568694	ADD B4B12 TO B4D08 REMOVE (IF IN)- B5B03 TO B5D08
NUMERIC LOCK FOR: GERMAN FRENCH ITALIAN	2568696	ADD B4B12 TO B4D08 B5B03 TO B5D08

CARD READER FEATURE JUMPERS

[FEATURE NO. 4600 WITH 2706]
IF A CARD READER IS INSTALLED IN A MACHINE WITH THE
KATAKANA LANGUAGE FEATURE, A JUMPER IS REQUIRED ON
THE A-A1 BOARD BETWEEN N2D05 AND N3B05 USING NO. 30
BLACK WIRE (P/N 811695)

[FEATURE NO. 4600 IN ANY 3277 MACHINE]
IF A CARD READER IS INSTALLED IN ANY 3277 MACHINE,
A RESISTOR ASM. P/N 2568741 IS REQUIRED ON THE A-A1
BOARD BETWEEN N2D03 AND N2J06

EC HISTORY		DRAWING TITLE	
JUL74	740382	3277 MOD I & 2 FEATURE	
JAN75	741246	REACH E 870	
MAR75	741258	PART NO. 1564041	
		CLASSIFICATION	IBM CORP.